POLYMER SCIENCE U.S.S.R.

a translation of

VYSOKOMOLEKULYARNYE SOYEDINENIYA

Editor-in-Chief: V. V. KORSHAK

Deputy Editors-in-Chief: P. V. KOZLOV and N. A. PLATE

EDITORIAL BOARD

V. F. BAGRYANTSEV, N. F. BAKEYEV, A. S. CHEGOLYA, B. A. DOLGOPLOSK, V. YE. GUL', S. S. IVANCHEV, V. A. KABANOV, V. V. KIREYEV, V. V. KORSHAK, P. V. KOZLOV, YU. S. LAZURKIN, YU. S. LIPATOV, A. K. MIKITAYEV, S. P. PAPKOV, N. A. PLATE, V. A. PONOMARENKO, S. R. RAFIKOV, V. A. SERGEYEV, G. L. SLONIMSKII, V. N. TSVETKOV, V. A. VASNEV, S. V. VINOGRADOVA, N. S. YENIKOLOPYAN, G. YE. ZAIKOV, A. A. ZHDANOV, B. A. ZHUBANOV

Secretary: S. V. VINOGRADOVA

Volume 24

Author/subject index

Honorary Editorial Advisory Board for this English version:

SIR HARRY MELVILLE, K.C.B., F.R.S. (Chairman)

G. R. ALLAN, *London*
P. E. M. ALLEN, *Adelaide*
C. H. BAMFORD, *Liverpool*
J. W. BARRETT, *Cheltenham*
J. C. BEVINGTON, *Lancaster*
S. CLAESSON, *Uppsala*
P. CORRADINI, *Naples*
J. B. DONNET, *Mulhouse*
P. J. FLORY, *Stanford*
J. FURUKAWA, *Kyoto*
G. GEE, *Manchester*
N. GRASSIE, *Glasgow*
L. HOLLIDAY, *London*
P. MEARES, *Aberdeen*
A. A. MORTON, *Cambridge, Mass.*
A. M. NORTH, *Glasgow*
C. G. OVERBERGER, *Michigan*
C. V. SCHULZ, *Mainz*
G. SMETS, *Louvain*
H. M. SPURLIN, *Wilmington*
H. L. WILLIAMS, *Toronto*
B. H. ZIMM, *California*

Scientific Translation Editor: Dr. W. COOPER

217 Little Aston Road, Aldridge, Walsall WS9 OPA, West Midlands

Published by

PERGAMON PRESS OXFORD·NEW YORK

BEIJING·FRANKFURT·SÃO PAULO·SYDNEY·TOKYO·TORONTO

AUTHOR INDEX

Abkin, A. D. *See* **Bruk, M. A., Chuiko, K. K., Abkin, A. D.** and **Kirpikov, S. V.** 3, 696

Abramenko, Ye. L. *See* **Khachaturov, A. S., Abramenko, Ye. L.** and **Syatkovskii, A. I.** 4, 775

Abramova, L. I. *See* **Zil'berman, Ye. N., Abramova, L. I.** and **Petrova, T. N.** 7, 1719

Adamova, L. V. *See* **Tager, A. A., Adamova, L. V., Kolmakova, L. K., Nokhrina, N. N., Valetskii, P. M., Rogovina, L. Z.** and **Starozhuk, I. P.** 10, 2331

Afanasyeva, N. V., Borisova, T. I., Tichagova, Ye. R., Shevelev, V. A., Titova, N. V. and **Yeliseyeva, V. I.:** Dielectric and nuclear magnetic relaxation in latex polymers in relation to their morphological peculiarities and mechanical properties 5, 1159

Afonin, S. N. *See* **Grishchenko, A. Ye., Afonin, S. N., Artem'ev, V. A., Myasnikov, G. D., Koval'skii, A. F.** and **Skazka, V. S.** 7, 1551

Afonin, S. N. *See* **Grishchenko, A. Ye., Afonin, S. N., Popov, A. Ye.** and **Skazka, V. S.** 6, 1306

Afonin, S. N. *See* **Grishchenko, A. Ye., Kotov, L. N., Afonin, S. N., Budovskaya, L. D., Ivanova, V. N., Tkacheva, I. I.** and **Skazka, V. S.** 9, 2128

Aikhodzhayev, B. I., Inoyatova, A. Kh. and **Berenshtein, Ye. I.:** Preparation and study of properties of primary low-substituted soluble cellulose acetates 6, 1495

Aivazov, A. B. *See* **Petrova, R. I., Aivazov, A. B., Zelenev, Yu. V.** and **Zavarova, T. B.** 2, 273

Akatova, S. P. *See* **Shaboldin, V. P., Demishev, V. N., Ionov, Yu. A.** and **Akatova, S. P.** 5, 1243

Akhmed'yanova, R. A. *See* **Myagchenkov, V. A., Kurenkov, V. F.** and **Akhmed'yanova, R. A.** 3, 732

Akopyan, A. N. *See* **Zhulin, V. M., Makarova, Z. G., Klimentova, N. V., Suprun, A. N., Akopyan, A. N.** and **Shakhovskoi, G. P.** 12, 3015

Akopyan, L. A., Ovrutskaya, N. A. and **Bartenev, G. M.:** Anisotropy of wetting and the molecular orientation capacity of elastomers under deformation 8, 1944

Akopyan, L. A., Zobina, M. V. and **Bartenev, G. M.:** Relaxation process in crystallizing and non-crystallizing elastomers 1, 67

Akopyan, G. V. *See* **Pavlova, S.-S. A., Timofeyeva, G. I.** and **Akopyan, G. V.** 1, 185

Akutin, M. S., Reutskii, V. A. and **Zhuravleva, I. I.:** Study of the heterogeneous reaction of formation of primary products of addition in the synthesis of phenol-formaldehyde and naphthalene-phenol-formaldehyde oligomers 6, 1421

Akutin, M. S. *See* **Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S.** and **Yenikolopyan, N. S.** 1, 211

Akutin, M. S. *See* **Zhorin, V. A., Usichenko, V. M., Budnitskii, Yu. M., Akutin, M. S.** and **Yenikoloyan, N. S.** 9, 2160

Aladyshev, A. M., Lisitsyn, D. M. and **D'yachkovskii, F. S.:** On the influence of secondary low molecular weight products on the polymerization rate of propylene by the $TiCl_3$-based catalytic system 2, 412

Aleksandrova, L. B. *See* **Burdygin, I. F., Chupov, V. V., Valuyev, L. I., Aleksandrova, L. B., Golubev, V. B.** and **Plate, N. A.** 2, 406

Aleksandrova, T. A., Karaputadze, T. M., Shapiro, A. B., Kirsh, Yu. E. and Vasserman, A. M.: Spin marker investigation of the segmental mobility of poly-N-vinylpyrrolidone and poly-N-vinylcaprolactam in solutions **11,** 2725
Aleskerov, A. G. *See* **Volynskii, A. L., Aleskerov, A. G. and Bakeyev, N. F.** **9,** 2120
Aliguliyev, R. M. *See* **Bartenev, G. M. and Aliguliyev, R. M.** **9,** 2107
Allayarov, S. R., Kiryukhin, D. P., Asamov, M. K. and Barkalov, I. M.: Low temperature radiation polymerization of tetrafluoroethylene in the glassy matrix of perfluoroalkanes **3,** 511
Amerik, Yu. B. *See* **Bushin, S. V., Korneyeva, Ye. V., Konstantinov, I. I., Amerik, Yu. B., Didenko, S. A., Shtennikova, I. N. and Tsvetkov, V. N.** **7,** 1671
Amerik, Yu. B. *See* **Shtennikova, I. N., Peker, T. V., Kolbina, G. F., Petrov, V. R., Grebneva, V. S., Konstantinov, I. I. and Amerik, Ye. B.** **10,** 2340
Andrei, K. and Muska, G.: The part played by donor-acceptor complexes in the photo- or electro-initiated isoprene copolymerization with mono-maleates **3,** 637
Andreyev, O. P., Guryleva, A. A. and Tavrin, A. Ye.: Application of mathematical simulation for the analysis of molecular weight heterogeneity of polymers by rapid sedimentation and viscometry **6,** 1518
Andreyeva, L. N., Bushin, S. V., Mashoshin, A. I., Lysenko, Ye. B., Smirnov, K. P., Yemel'yanov, V. N. and Tsvetkov, V. N.: Conformational and optical properties of molecules of ladder type polyphenylvinylsiloxane and its chlorinated derivatives **10,** 2405
Andreyeva, V. M., Konevets, B. I., Tager, A. A., Vygodskii, Ya. S. and Vinogradova, S. V.: Study of the structure of solutions and gels of polypyromellitimide and polyterephthalamide of anilinephthalein in dimethylformamide **6,** 1456
Andrianova, G. P. *See* **Kholodenko, B. V., Vasil'ev, P. I. and Andrianova, G. P.** **3,** 613
Andrianova, L. S. *See* **Borisova, T. I., Krasner, L. V., Andrianova, L. S., Chernova, Zh. D. and Belonovskaya, G. P.** **10,** 2369
Andrichenko, Yu. D. *See* **Kislyuk, M. S., Gabrielyan, G. A., Andrichenko, Yu. D. and Rogovin, Z. A.** **11,** 2663
Aneli, J. N. *See* **Gorelik, B. A., Aneli, J. N. and Semenenko, E. I.** **12,** 2908
Anfimov, B. N. *See* **Anfimova, E. A., Lykin, A. S. and Anfimov, B. N.** **2,** 455
Anfimova, E. A., Lykin, A. S. and Anfimov, B. N.: Equilibrium swelling of filled vulcanizates of natural rubber **2,** 455
Anosov, V. I. *See* **Arest-Yakubovich, A. A., Anosov, V. I., Basova, R. V., Zolotarev, V. L., Kristal'nyi, E. V., Makhortov, A. P. and Nekhmanovich, B. I.** **7,** 1742
Anufriyeva, Ye. V., Pautov, V. D., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.: Structural transformations in polymer macromolecules with mesogenic groups in side chains **4,** 922
Anufriyeva, Ye. V., Semisotnov, G. V., Krakovyak, M. G. and Lushchik, V. B.: Polarized luminescence of polymers with indole-containing luminescent groups **8,** 1896
Arest-Yakubovich, A. A., Anosov, V. I., Basova, R. V., Zolotarev, V. L., Kristal'nyi, E. V., Makhortov, A. P. and Nekhmanovich, B. I.: Main regularities of polymerization of butadiene by the action of a composite sodium–aluminium organic initiator in hydrocarbon medium **7,** 1742
Arest-Yakubovich, A. A. *See* **Basova, R. V., Nakhmanovich, B. I., Kristal'nyi, E. V. and Arest-Yakubovich, A. A.** **2,** 388
Arkhangel'skii, V. V., Rudoi, V. M., Stuchebryukov, S. D. and Ogarev, V. A.: Calculation of M_c from absorption data and concentration dependence of the parameter of polymer–solvent interaction **4,** 1004
Arsenov, V. D., Mal'tsev, S. D., Marevtsev, V. S., Cherkashin, M. I., Freidzon, Ya. S.,

Shibayev, V. P. and **Plate, N. A.**: Special aspects of the photochromism of indolinospiropyranes in comb-like polymers 11, 2635
Artem'ev, V. A. *See* **Grishchenko, A. Ye., Afonin, S. N., Artem'ev, V. A., Myasnikov, G. D., Koval'skii, A. F.** and **Skazka, V. S.** 7, 1551
Artem'eva, V. N., Koton, M. M., Kukarkina, N. V., Zhukova, T. I., Kalnin'sh, K. K., Lyubimova, G. V. and **Shadrin, V. N.**: Study of the reaction of polyamic acid with benzoyl peroxide at room temperature 4, 782
Asamov, M. K. *See* **Allayarov, S. R., Kiryukhin, D. P., Asamov, M. K.** and **Barkalov, I. M.** 3, 511
Aseyeva, R. M. *See* **Kurzin, S. P., Tarasov, B. F., Fatkullin, N. F.** and **Aseyeva, R. M.** 1, 134
Aseyeva, R. M. *See* **Lomakin, S. M., Aseyeva, R. M., Shashkova, V. T., Kefeli, T. Ya.** and **Zaikov, G. Ye.** 10, 2378
Askadskii, A. A., Vointseva, I. I., Mustafayeva, B. B. and **Slonimskii, G. L.**: Refractometric method of analysis of chemical conversions of macromolecules in solution 11, 2813
Askadskii, A. A. *See* **Matveyev, Yu. I.** and **Askadskii, A. A.** 6, 1468
Astaf'ev, S. A. *See* **Korshak, V. V., Berestneva, G. I., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okromchelidze, N. P.** and **Kudryavtsev, G. I.** 1, 41
Astapenko, E. P. *See* **Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A.** and **Malichenko, B. F.** 11, 2689
Aulov, V. A. *See* **Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Yu. A., Bakeyev, N. F.** and **Baulin, A. A.** 10, 2385
Avdeyev, N. N. *See* **Kotova, A. V., Chalykh, A. Ye., Avdeyev, N. N.** and **Mezhikovskii, S. M.** 3, 505
Avdeyeva, G. M., Pshenitsyna, V. P. and **Sedov, L. N.**: Effect on properties of the molecular structure of polydiethylene glycol-sebacates 1, 200
Avdeyeva, N. K. *See* **Saikina, Z. F., Doroshenko, Yu. Ye., Avdeyeva, N. K.** and **Korshak, V. V.** 1, 85
Averko-Antonovich, Yu. O. and **Minkin, V. S.**: NMR analysis of the crystallization of oligoesters and urethane rubbers 5, 1170
Aver'yanova, V. M. *See* **Timofeyeva, G. N.** and **Aver'yanova, V. M.** 11, 2598
Azancheyev, N. M. and **Maklakov, A. I.**: NMR relaxation and the state of solvent molecules in solutions of polyvinylchloride and polystyrene in dibutylphthalate 12, 3024

Babayevskaya, I. Ya. *See* **Trostyanskaya, Ye. B., Babayevskii, P. G., Kulik, S. G., Babayevskaya, I. Ya.** and **Matveyev, V. V.** 7, 1655
Babayevskii, P. G. *See* **Trostyanskaya, Ye. B., Babayevskii, P. G., Kulik, S. G., Babayevskaya, I. Ya.** and **Matveyev, V. V.** 7, 1655
Badamshina, E. R., Timofeyeva, G. I., Korshak, Yu. V., Berlin, Al. Al., Vdovin, V. M., Kutepov, D. F. and **Pavlova, S.-S. A.** 1, 164
Bagmut, A. G., Nikitskii, N. P., Pusan, V. F., Svechkin, V. P., Sokol, A. A. and **Tartakovskaya, I. Kh.**: Microscope study of the structure and decomposition of fluoroplast films produced from powder by cacking and condensation under vacuum 4, 861
Bakeyev, N. F. *See* **Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Yu. A., Bakeyev, N. F.** and **Baulin, A. A.** 10, 2385
Bakeyev, N. F. *See* **Pazukhina, L. Yu., Yarysheva, L. M., Stoches, R. N., Bakeyev, N. F.** and **Kozlov, P. V.** 8, 2040

Bakeyev, N. F. *See* **Rebrov, A. V., Ovchinnikov, Yu. K., Kuz'minskii, A. S. and Bakeyev, N. F.** 9, 2215
Bakeyev, N. F. *See* **Sinevich, Ye. A. and Bakeyev, N. F.** 9, 2187
Bakeyev, N. F. *See* **Volynskii, A. L., Aleskerov, A. G. and Bakeyev, N. F.** 9, 2120
Bakeyev, N. F. *See* **Volynskii, A. L., Grokhovskaya, T. Ye., Shitov, N. A. and Bakeyev, N. F.** 6, 1430
Bakeyev, N. F. *See* **Volynskii, A. L., Lukovkin, G. M., Yarysheva, L. M., Pazukhina, L. Yu., Kozlov, P. V. any Bakeyev, N. F.** 11, 2706
Bakeyev, N. F. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Lukovkin, G. M., Volynskii, A. L., Bakeyev, N. F. and Kozlov, P. V.** 10, 2464
Bakeyev, N. F. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Stoches, R. N., Zavarova, T. B., Bakeyev, N. F. and Kozlov, P. V.** 10, 2472
Bakeyev, N. F. *See* **Yefimov, A. V., Bondarev, V. V., Kozlov, P. V. and Bakeyev, N. F.** 8, 1927
Balakin, S. M. *See* **Vishnevskaya, G. P., Molochnikov, L. S., Safin, R. Sh. and Balakin, S. M.** 3, 678
Balasheva, N. F. *See* **L'vov, Yu. A., Senderskaya, Ye. Ye. and Balasheva, N. F.** 12, 2859
Balykova, T. N. *See* **Pavlova, S.-S. A., Gribkova, P. N., Balykova, T. N., Polina, T. V., Komarova, L. G., Bekasova, N. I. and Korshak, V. V.** 8, 1953
Barabanov, V. A. and Davydova, S. L.: Macromolecular macrocyclic compounds: binding of ions, small molecules and polymers. Review 5, 1007
Baranov, V. G. *See* **Ol'khovik, O. Ye. and Baranov, V. G.** 10, 2440
Baranovskaya, I. A. *See* **Eskin, V. Ye. and Baranovskaya, I. A.** 12, 2929
Baranovskii, V. Yu., Kazarin, L. A., Litmanovich, A. A., Papisov, I. M. and Kabanov, V. A. 7, 1683
Barashkova, I. I., Kovarskii, A. L. and Vasserman, A. M.: The molecular weight and volume of spin probes and their effects on their rotation capacity in polymers 1, 105
Barashkova, I. I. *See* **Livshits, V. A., Kuznetsov, V. A., Barashkova, I. I. and Vasserman, A. M.** 5, 1227
Baratova, T. N., Mileshkevich, V. P. and Gurai, V. I.: Anionic non-equilibrium copolymerization of hexamethyl cyclotrisiloxane with *cis* and *trans*-isomers of 1,3,5-trimethyl-1,3,5-triphenyl cyclotrisiloxane 1, 27
Baratova, T. N. *See* **Mileshkevich, V. P. and Baratova, T. N.** 5, 1096
Barbanel', I. Yu. *See* **Saidov, G. V., Bernshtein, Ye. V. and Barbanel', I. Yu.** 7, 1611
Barkalov, I. M. *See* **Allayarov, S. R., Kiryukhin, D. P., Asamov, M. K. and Barkalov, I. M.** 3, 511
Barkalov, I. M. *See* **Kiryukhin, D. P., Nevel'skaya, T. I., Kim, I. P. and Barkalov, I. M.** 2, 330
Barskaya, I. G. *See* **Kulagina, T. G., Lebedev, B. V., Kiparisova, Ye. G., Lyudvig, Ye. B. and Barskaya, I. G.** 7, 1702
Bartenev, G. M.: Relaxational φ-transition in filled polymers and molecular mobility of active filler particles 9, 2099
Bartenev, G. M. and Aliguliyev, R. M.: Relaxational spectrometry of low density polyethylene 9, 2107
Bartenev, G. M. and Stogova, Ye. P.: Power law for slow physical stress-relaxation in the rubbery condition and its experimental verification 2, 322
Bartenev, G. M., Karimov, S. N., Narzullayev, B. N., Tsoi, B. and Shermatov, D.: Spectrum of durability times of polymer films 9, 2267
Bartenev, G. M. *See* **Akopyan, L. A., Ovrutskaya, N. A. and Bartenev, G. M.** 8, 1944
Bartenev, G. M. *See* **Akopyan, L. A., Zobina, M. V. and Bartenev, G. M.** 1, 67

Bartenev, G. M. *See* **Kartashov, E. M. and Bartenev, G. M.** 7, 1628
Bartenev, G. M. *See* **Stogova, Ye. P. and Bartenev, G. M.** 9, 2210
Bartenev, G. M. *See* **Zoteyev, N. P., Bartenev, G. M., Yermilova, N. V. and Zoteyeva, O. I.** 6, 1488
Bartenev, G. M. *See* **Zoteyev, N. P., Bartenev, G. M. and Zoteyeva, O. I.** 8, 1802
Barzykina, R. A., Radugin, V. S., Kuzayev, A. I. and Estrin, Ya. I.: A chromatographic study of the oligomerization of butadiene 7, 1636
Bashkirov, B. Sh. and Maklakov, A. I.: Impulse-NMR study of polyvinyl chloride–glycerol systems 4, 849
Basov, B. K. *See* **Shilov, A. D., Basov, B. K. and El'tekov, Yu. A.** 3, 728
Basova, R. V., Nakhmanovich, B. I., Kristal'nyi, E. V. and Arest-Yakubovich, A. A.: Polymerization of butadiene under the action of sodium organic initiators in slightly polar media 2, 388
Basova, R. V. *See* **Arest-Yakubovich, A. A., Anosov, V. I., Basova, R. V., Zolotarev, V. L., Kristal'nyi, E. V., Makhartov, A. P. and Nekhmanovich, B. I.** 7, 1742
Batog, A. Ye. *See* **Zaitsev, S. Yu., Batog, A. Ye., Bondarenko, A. V. and Zaitseva, V. V.** 4, 867
Baturin, S. M. *See* **Gafurova, M. P., Dodygina, V. P., Grigor'yeva, V. A., Chernyi, G. I., Komratova, V. V. and Baturin, S. M.** 4, 964
Baturin, S. M. *See* **Grigor'eva, V. A., Vokina, O. G., Tsarik, L. Ya. and Baturin, S. M.** 12, 2903
Baturin, S. M. *See* **Nazarova, I. I., Nazarov, V. B. and Baturin, S. M.** 8, 1967
Batuyeva, L. I. *See* **Pichugina, S. V., Lebedev, V. P., Samarskaya, N. I., Batuyeva, L. I., Razinskaya, I. N. and Slutsker, A. I.** 6, 1261
Batuyeva, L. I. *See* **Smirnova, K. N., Zavarova, T. B., Lebedev, V. P., Shevchuk, L. M., Batuyeva, L. I. and Kulikova, A. Ye.** 4, 824
Baulin, A. A. *See* **Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Yu. A., Bakeyev, N. F. and Baulin, A. A.** 10, 2385
Bazarov, Yu. M. *See* **Mizerovskii, L. N., Kuznetsov, A. K., Bazarov, Yu. M. and Bykov, A. N.** 6, 1319
Bekasova, N. I. *See* **Korshak, V. V., Bekasova, N. I. and Komarova, L. G.** 11, 2788
Bekasova, N. I. *See* **Pavlova, S.-S. A., Gribkova, P. N., Balykova, T. N., Polina, T. V., Komarova, L. G., Bekasova, N. I. and Korshak, V. V.** 8, 1953
Bekhterev, V. N. *See* **Sergeyev, G. B., Komarov, V. S. and Bekhterev, V. N.** 12, 2977
Belen'kaya, B. G., Lyudvig, Ye. B., Izyumnikov, A. L. and Kul'velis, Yu. I.: Aspects of the cationic polymerization of ε-caprolactone in the presence of alcohols 2, 306
Belen'kii, B. G. *See* **Gankina, E. S., Ganicheva, S. I., Belyayev, V. M., Kever, Ye. Ye. and Belen'kii, B. G.** 4, 909
Belen'kii, B. G. *See* **Nefedov, P. P., Kurenbin, O. I., Zhmakina, T. P., Lazareva, M. A. and Belen'kii, B. G.** 8, 2024
Belen'kii, B. G. *See* **Nesterov, V. V., Krasikov, V. D., Chubarova, Ye. V. and Belen'kii, B. G.** 6, 1512
Beloglazov, V. A. *See* **Shirokova, L. B., Storozhuk, I. P., Voishchev, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, S. L., Vinogradova, S. V. and Korshak, V. V.** 9, 2259
Belonovskaya, G. P. *See* **Borisova, T. I., Krasner, L. V., Andrianova, L. S., Chernova, Zh. D. and Belonovskaya, G. P.** 10, 2369
Belousova, T. A. *See* **Shablygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhina, A. V., Tokarev, A. V. and Kudryavtsev, G. I.** 6, 1388

Belousova, T. A. *See* Shablygin, M. V., Nikitina, O. A., Belousova, T. A. and Kudryavtsev, G. I. 5, 1109
Belov, G. P. *See* Krasnikova, N. P., Dreval', V. Ye., Kotova, Ye. V., Plotnikova, Ye. P., Vinogradov, G. V., Belov, G. P. and Pel'tsbauer, Z. 7, 1617
Belyatskaya, O. N. *See* Popova, Ye. V., Bulatnikova, L. I., Belyatskaya, O. N. and Gul', V. Ye. 3, 570
Belyayev, V. M. *See* Budtov, V. P., Polyakov, Z. N., Gutin, B. L., Belyayev, V. M. and Ponomareva, Ye. L. 6, 1367
Belyayev, V. M. *See* Ganicheva, S. I., Belyayev, V. M., Krivobokov, V. V., Kallistov, O. V. and Frenkel', S. Ya. 7, 1734
Belyayev, V. M. *See* Gankina, E. S., Ganicheva, S. I., Belyayev, V. M., Kever, Ye. Ye. and Belen'kii, B. G. 4, 909
Berendyayev, V. I. *See* Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A. and Pravednikov, A. N. 4, 894
Berenshtein, Ye. I. *See* Aikhodzhayev, B. I., Inoyatova, A. Kh. and Berenshtein, Ye. I. 6, 1495
Berestneva, G. L. *See* Korshak, V. V., Berestneva, G. L., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okromchelidze, N. P. and Kudryavtsev, G. I. 1, 41
Berezina, G. G. *See* Mashlyakovskii, L. N., Berezina, G. G., Shtengel', K. Kh. and Okhrimenko, I. S. 4, 930
Berlin, Al. Al. *See* Badamshina, E. R., Timofeyeva, G. I., Korshak, Yu. V., Berlin, Al. Al., Vdovin, V. M., Kutepov, D. F. and Pavlova, S.-S. A. 1, 164
Berlin, Al. Al. *See* Chepel', L. M., Topolkarayev, V. A., Zelenetskii, A. N., Prut, E. V., Trofimova, G. M., Novikov, D. D. and Berlin, Al. Al. 8, 1873
Berlin, Al. Al. *See* Gal'chenko, A. G., Khalturinskii, N. A., Sakharova, A. A., Popova, T. V., Frunze, T. M. and Berlin, Al. Al. 1, 73
Berlin, Al. Al. *See* Lisitskii, V. V., Yanborisov, V. M., Berlin, Al. Al. and Minsker, K. S. 5, 1047
Berlin, Al. Al. *See* Markevich, M. A., Berlin, Al. Al., Oshmyan, V. G., Sakhonenko, L. S., Novikov, D. D. and Vladimirov, L. V. 8, 1979
Berlin, Al. Al. *See* Minsker, K. S., Kolesov, S. V., Petrov, V. V. and Berlin, Al. Al. 4, 854
Berlin, Al. Al. *See* Tatarova, L. A., Yermakova, T. G., Berlin, Al. Al., Razvodovskii, Ye. F., Lopyrev, V. A., Kedrina, N. F. and Yenikolopyan, N. S. 10, 2529
Berlin, Yu. A. *See* Zhorin, V. A., Beshenko, S. I., Berlin, Yu. A. and Yenikolopyan, N. S. 11, 2641
Berlyant, S. M. *See* Pleshanov, V. P., Berlyant, S. M. and Burukhina, G. A. 6, 1462
Bernshtein, Ye. V. *See* Saidov, G. V., Bernshtein, Ye. V. and Barbanel', I. Yu. 7, 1611
Bershtein, V. A. *See* Pertsev, N. A. and Bershtein, V. A. 9, 2134
Beshenko, S. I. *See* Zhorin, V. A., Beshenko, S. I., Berlin, Yu. A. and Yenikolopyan, N. S. 11, 2641
Bespalov, Yu. A. *See* Rabinovich, I. B., Maslova, V. A., Faminskaya, L. A., Gur'eva, S. V., Bespalov, Yu. A. and Fedotov, B. G. 4, 841
Bessonov, M. I. *See* Laius, L. A., Degracheva, Ye. N. and Bessonov, M. I. 6, 1508
Bessonov, M. I. *See* Smirnova, V. Ye., Bessonov, M. I., Zhukova, T. I., Koton, M. M., Kudryavtsev, V. V., Sklizkova, V. P. and Lebedev, G. A. 6, 1375
Bessonov, Yu. S. *See* Yushkova, S. M., Tager, A. A., Bessonov, Yu. S., Guzeyev, V. V. and Yezhov, V. S. 7, 1557
Bibileishvili, D. V. *See* Korshak, V. V., Berestneva, G. I., Volokhina, A. V., Raskina,

A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okromchelidze, N. P. and Kudryavtsev, G. I. 1, 41
Birshtein, T. M.: Diagram of state for a solution of semi-rigid macromolecules 10, 2416
Birshtein, T. M.: Phase transitions on adsorption of macromolecules 9, 2088
Bitsenko, M. I. *See* Volkova, L. A., Andreyeva, N. A., Podol'skii, A. F., Bitsenko, M. I. and Eskin, V. Ye. 6, 1327
Bityurin, N. M., Genkin, V. N. and Sokolov, V. V.: The evolution of light absorption induced in polymers by photo-ageing 4, 832
Blagodatskikh, I. V., Dubrovina, L. V. and Pavlova, S.-S. A.: On the molecular weight distribution of polyarylates 2, 400
Bobko, L. A. *See* Sokolov, L. B., Kuritsyn, L. V., Fedotov, Yu. A. and Bobko, L. A. 3, 673
Bogorad, N. N. *See* Koton, M. M., Meleshko, T. K., Kudryavtsev, V. V., Nechayev, P. P., Kamzolkina, Ye. V. and Bogorad, N. N. 4, 791
Boiko, V. P. *See* Valuyev, V. I., Dmitriyeva, T. S., Shlyakhter, R. A., Yatsimirskaya, T. S., Boiko, V. P. and Grishchenko, V. K. 6, 1312
Boikov, A. A., *See* Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A. and Malichenko, B. F. 11, 2689
Bolotina, L. M. *See* Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye. and Gil'der, M. M. 5, 1218
Bolotina, L. M. *See* Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N. and Sivakova, R. N. 5, 1183
Bondarenko, A. V. *See* Zaitsev, S. Yu., Batog, A. Ye., Bondarenko, A. V. and Zaitseva, V. V. 4, 867
Bondarenko, O. A. *See* Shablygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhina, A. V., Tokarev, A. V. and Kudryavtsev, G. I. 6, 1388
Bondarev, B. V.: Kinetic study of solid-phase reactions with the participation of radicals 9, 2173
Bondarev, V. V. *See* Yefimov, A. V., Bondarev, V. V., Kozlov, P. V. and Bakeyev, N. F. 8, 1927
Bondareva, L. V. *See* Shablygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhina, A. V., Tokarev, A. V. and Kudryavtsev, G. I. 6, 1388
Borisenkova, Ye. K. *See* Vinogradov, G. V., Kurbanaliev, M. K., Dreval', V. Ye. and Borisenkova, Ye. K. 1, 90
Borisov, V. I. and Sushkov, V. I.: Wave-guide method of studying structural layer heterogeneity in polymer films 2, 481
Borisova, T. I., Burshtein, L. L., Nikonorova, N. A. and Shibayev, V. P.: Dielectric relaxation in poly-N-*n*-octadecylmethacrylamide 8, 1902
Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Kharitonov, A. V. and Shibayev, V. P.: Intramolecular mobility of polymers with mesogenic groups in the side chains 7, 1664
Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.: Effect of the hydrogen bond on the intramolecular organization of polymers containing cholesterol 5, 1248
Borisova, T. I., Krasner, L. V., Andrianova, L. S., Chernova, Zh. D. and Belonovskaya, G. P.: Study of dielectric relaxation in polymer semi-interpenetrating networks based on toluylene diisocyanate and propylene sulphide 10, 2369

Borisova, T. I. *See* **Afanasyeva, N. V., Borisova, T. I., Tigachova, Ye. R., Shevelev, V. A., Titova, N. V. and Yeliseyeva, V. I.** 5, 1159

Bort, D. N. *See* **Titova, V. A., Zegel'man, V. I., Pessina, A. Ya., Popov, V. A. and Bort, D. N.** 6, 1360

Brandman, G. S., Shamov, I. V. and Tarakanov, O. G.: Use of the thermofluctuation concept of strength for evaluating the serviceability of foam polyurethanes 5, 1042

Bronich, T. K. *See* **Izumrudov, V. A., Bronich, T. K., Novikova, M. B., Zezin, A. B. and Kabanov, V. A.** 2, 367

Bruk, M. A., Chuiko, K. K., Abkin, A. D. and Kirpikov, S. V.: Study of the formation of polymer coatings by capsulation of solids by radiation-induced polymerization of monomers from the vapour phase 3, 696

Brukh, A., Vlasov, S. V., Kuleznev, V. N. and Tyulina, R. M.: The transverse straining of orientated "silvery" polyethylene terephthalate films 5, 1056

Budnik, Yu. M. *See* **Khozin, V. G., Polyanskii, A. A., Budnik, Yu. M. and Voskresenskii, V. A.** 11, 2646

Budnitskii, Yu. M. *See* **Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S. and Yenikolopyan, N. S.** 1, 211

Budnitskii, Yu. M. *See* **Zhorin, V. A., Usichenko, V. M., Budnitskii, Yu. M., Akutin, M. S. and Yenikolopyan, N. S.** 9, 2160

Budovskaya, L. D. *See* **Grishchenko, A. Ya., Kotov, L. N., Afonin, S. N., Budovskaya, L. D., Ivanova, V. N., Tkacheva, I. I. and Skazka, V. S.** 9, 2128

Budtov, V. P., Polyakov, Z. N., Gutin, B. L., Belyayev, V. M. and Ponomareva, Ye. L.: Determinaiton of the molecular weight distribution of high pressure polyethylene and calculation of the rate constants of the main chemical reactions 6, 1367

Budtov, V. P. *See* **Ivanchev, S. S., Podosenova, N. G., Konovalenko, V. V., Kuznetsova, T. A., Zolikov, E. G. and Budtov, V. P.** 1, 98

Budtov, V. P. *See* **Kogan, S. I. and Budtov, V. P.** 6, 1289

Bukatov, G. D., Zaikovskii, V. I., Zakharov, V. A., Kryukova, G. N., Fenelonov, V. B. and Zagrafskaya, R. V. 3, 599

Bulai, A. Kh., Urman, Ya. G., Medvedeva, F. M., Slonim, I. Ya. and Pin, L. D.: Study of polyether thermoelastoplasts by the ^{1}H and ^{13}C NMR method 9, 2149

Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye. and Gol'der, M. M.: Study of the synthesis of polyarylene sulphonoxides based on phenolphthalein and dichlorodiphenylsulphone by ^{13}C NMR 5, 1218

Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Filippenko, D. Ya., Strokova, L. D. and Bulgakova, M. A.: A ^{13}C NMR study of structural isomers and compositional sequences in oligoesters based on propylene oxide and maleic anhydride 3, 549

Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N. and Sivakova, R. N.: ^{1}H and ^{13}C NMR analysis of the synthesis of polyarylene sulphonoxeds based on diphenylolpropane and dichlorodiphenylsulphone 5, 1183

Bulai, A. Kh. *See* **Korshak, V. V., Markova, G. D., Slonim, I. Ya., Vasnev, V. A., Vinogradova, S. V., Urman, Ya. G. and Bulai, A. Kh.** 6, 1437

Bulai, A. Kh. *See* **Korshak, V. V., Vinogradova, S. V., Vasnev, V. A., Gogiashvili, T. M., Slonim, I. Ya., Urman, Ya. G. and Bulai, A. Kh.** 2, 350

Bulatnikova, L. I. *See* **Popova, Ye. V., Bulatnikova, L. I., Belyatskaya, O. N. and Gul', V. Ye.** 3, 570

Bulgakova, M. A. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Filippenko, D. Ya., Strokova, L. D. and Bulgakova, M. A.** 3, 549

Bulina, T. M. *See* **Shibayev, L. A., Sazanov, Yu. N., Stepanov, N. G., Bulina, T. M., Zhukova, T. I.** and **Koton, M. M.** 12, 2922
Bulynko, A. V. *See* **Yanovskii, Yu. G., Vasin, A. V., Vinogradov, G. V., Bulynko, A. V., Sorochkin, Yu. B.** and **Fioshina, M. A.** 12, 2947
Burdygina, I. F., Chupov, V. V., Valuyev, L. I., Aleksandrova, L. B., Golubev, V. B. and **Plate, N. A.**: The radiation-induced graft polymerization of acryloyl chloride to polyethylene terephthalate 2, 406
Burshtein, L. L. and **Shibayev, V. P.**: Intramolecular structuring in solutions of comb-like polymers 1, 1
Burshtein, L. L., Malinovskaya, V. P., Stepanova, T. P., Milovskaya, Ye. B. and **Zamoiskaya, L. V.**: Molecular mobility in ternary block copolymer solutions 4, 873
Burshtein, L. L. *See* **Borisova, T. I., Burshtein, L. L., Nikonorova, N. A.** and **Shibayev, V. P.** 8, 1902
Burshtein, L. L. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Kharitonov, A. V.** and **Shibayev, V. P.** 7, 1664
Burshtein, L. L. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Shibayev, V. P.** and **Plate, N. A.** 5, 1242
Burukhina, G. A. *See* **Pleshanov, V. P., Berlyant, S. M.** and **Burukhina, G. A.** 6, 1468
Bushin, S. V., Korneyeva, Ye. V., Konstantinov, I. I., Amerik, Yu. B., Didenko, S. A., Shtennikova, I. N. and **Tsvetkov, V. N.** 7, 1671
Bushin, S. V. *See* **Andreyeva, L. N., Bushin, S. V., Mashoshin, A. I., Lysenko, Ye. B., Smirnov, K. P., Yemel'yanov, V. N.** and **Tsvetkov, V. N.** 10, 2405
Bushin, S. V. *See* **Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A.** and **Malichenko, B. F.** 11, 2689
Butyagin, G. P., Butyagin, P. Yu. and **Shlyapintokh, V. Ya.**: Low molecular weight products of the breakdown of peroxide radicals in polystyrene and polyvinylcyclohexane at room temperature 1, 190
Butyagin, P. Yu. *See* **Butyagin, G. P., Butyagin, P. Yu.** and **Shlyapintokh, V. Ya.** 1, 190
Bykov, A. N. *See* **Mizerovskii, L. N., Kuznetsov, A. K., Bazarov, Yu. M.** and **Bykov, A. N.** 6, 1319
Byrykhin, V. S., Maloshitskii, A. S., Murachev, V. B., Yezhova, Ye. A. and **Pravednikov, A. N.**: Polymerization mechanism of styrene by the action of tin (IV) chloride in 1,2-dichloroethane 9, 2272

Chalykh, A. Ye. and **Krivoshei, V. N.**: Diffusion, sorption and permeability of binary solvent mixtures in polyethylene 8, 1865
Chalykh, A. Ye. *See* **Kotova, A. V., Chalykh, A. Ye., Avdeyev, N. N.** and **Mezhikovskii, S. M.** 3, 505
Chalykh, A. Ye. *See* **Remizov, N. A., Chalykh, A. Ye., Popov, V. Ya.** and **Lavrent'ev, V. V.** 8, 1853
Chebotarevskii, A. E. *See* **Zhorin, V. A., Kulakov, V. V., Mironov, N. A., Nikol'skii, V. G., Chebotarevskii, A. E.** and **Yenikolopyan, N. S.** 5, 1081
Chekushkina, N. G., Sokolova, L. B., Naumov, V. S., Smirnova, T. F. and **Zhegalova, N. N.**: The synthesis and properties of aliphatic-aromatic block copolyesters 1, 158
Chepel', L. M., Topolkarayev, V. A., Zelenetskii, A. N., Prut, E. V., Trofimova, G. M., Novikov, D. D. and **Berlin, Al. Al.**: Effect of cyclization on the topological structure and properties of polymeric networks based on diglycidyl ethers and aromatic amines 8, 1873

Cherep, Ye. I. *See* **Lachinov, M. B., Korolev, B. A., Dreval', V. Ye., Cherep, Ye. I., Zubov, V. P., Vinogradov, G. V.** and **Kabanov V. A.** 10, 2547
Cherkashin, M. I. *See* **Arsenov, V. D., Mal'tsev, S. D., Marevtsev, V. S., Cherkashin, M. I., Freidzon, Ya. S., Shibayev, V. P.** and **Plate, N. A.** 11, 2635
Cherkasov, V. K. *See* **Dontsov, V. A., Grishin, D. F., Cherkasov, V. K.** and **Razuvayev, G. A.** 3, 493
Chernova, Zh. D. *See* **Borisova, T. I., Krasner, L. V., Andrianova, L. S., Chernova, Zh. D.** and **Belonovskaya, G. P.** 10, 2369
Chernyi, G. I. *See* **Gafurova, M. P., Dodygina, V. P., Grigor'yeva, V. A., Chernyi, G. I., Komratova, V. V.** and **Baturin, S. M.** 4, 964
Chikin, Yu. A. *See* **Duflot, V. R., Faizi, N. Kh.** and **Chikin, Yu. A.** 11, 2713
Chistov, S. F.: Potential of the intermolecular interaction and initial viscosity of polymer melts in model of overlapping statistical coils 10, 2347
Chizhova, N. V. *See* **Sergeyev, V. A., Shitikov, V. K., Chizhova, N. V.** and **Korshak, V. V.** 11, 2700
Chubarova, Ye. V. *See* **Nesterov, V. V., Krasikov, V. D., Chubarova, Ye. V.** and **Belen'kii, B. G.** 6, 1512
Chuchin, A. Ye. and **Ivanilova, O. T.:** Polymeric nature of the inhibiting action of polyarylene methylenes 4, 952
Chuchin, A. Ye. *See* **Ivanilova, O. T., Korshak, V. V., Gashnikova, N. P., Litvinova, L. F., Yelinek, V. I.** and **Chuchin, A. Ye.** 2, 422
Chuiko, K. K. *See* **Bruk, M. A., Chuiko, K. K., Abkin, A. D.** and **Kirpikov, S. V.** 3, 696
Chupov, V. V. *See* **Burdygina, I. F., Chupov, V. V., Valuyev, L. I., Aleksandrova, L. B., Golubev, V. B.** and **Plate, N. A.** 2, 406
Chuvilin, V. B. *See* **Malysheva, L. I., D'yachkov, A. I., Ovchinnikova, Yu. I.** and **Zubov, V. P.** 7, 1749

Dadobayev, G. and **Slutsker, A. I.:** Temperature dependence of expansion of crystalline lattices of some flexible chain polymers 8, 1837
Damayeva, A. D.: Oligometalphenyl siloxanes and the effect of the type of metal on their properties 4, 996
Damayeva, A. D., Mashutina, G. G. and **Krichenko, E. A.:** On the influence of the metal on the properties of metal-containing oligoethylphenylsiloxanes 8, 1920
Dantsig, L. L. *See* **Zaitsev, B. A., Khramova, G. I.** and **Dantsig, L. L.** 12, 2831
Daurova, T. T. *See* **Voronkova, O. S., Daurova, T. T., Moiseyev, Yu. V.** and **Gumargalieva, K. Z.** 7, 1604
Davydenko, N. V. *See* **Minsker, K. S., Lisitskin, V. V.** and **Davydenko, N. V.** 6, 1299
Davydova, S. L. *See* **Barabanov, V. A.** and **Davydova, S. L.** 5, 1007
Degracheva, Ye. N. *See* **Laius, L. A., Degracheva, Ye. N.** and **Bessonov, M. I.** 6, 1508
Del'tuva, L. A. *See* **Zelenev, Yu. V.** and **Del'tuva, L. A.** 11, 2737
Demchenko, S. S. *See* **Goikhman, A. Sh., Kirichenko, V. I., Demchenko, S. S., Matsibora, N. P.** and **Privalko, V. P.** 1, 49
Dement'ev, A. G. and **Tarakanov, O. G.:** A statistical study of the fracture of foamed elastic polyurethanes under short-term loading 7, 1585
Demishev, V. N. *See* **Shaboldin, V. P., Demishev, V. N., Ionov, Yu. A.** and **Akatova, S. P.** 5, 1243
Denisov, Ye. T.: Inhibiting action of bis-phenols on oxidation of polypropylene containing hydroperoxide groups 4, 938

Denisov, Ye. T. *See* **Zolotova, N. V. and Denisov, Ye. T.** 2, 462
Denisova, L. A. *See* **Korshak, V. V., Shtil'man, M. I., Voskanyan, P. S. and Denisova, L. A.** 12, 3030
Denisova, V. N. *See* **Troitskii, B. B., Troitskaya, L. S., Denisova, V. N. and Razuvayev, G. A.** 12, 2849
Derinovskii, V. S., Zakirov, I. N., Lantsov, V. M., Volkov, V. P. and Rozenberg, B. A.: Pulsed NMR study of epoxy-rubber systems 11, 2747
Didenko, S. A. *See* **Bushin, S. V., Korneyeva, Ye. V., Konstantinov, I. I., Amerik, Yu. B., Didenko, S. A., Shtennikova, I. N. and Tsvetkov, V. N.** 7, 1671
Didenko, S. A. *See* **Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A. and Malichenko, B. F.** 11, 2689
Dikolenko, S. V. *See* **Zuyev, B. M., Gubanov, E. F., Shulyndin, S. V., Dikolenko, S. V., Romanov, V. G. and Ivanov, B. Ye.** 12, 3000
Dmitriyeva, T. S. *See* **Valuyev, V. I., Dmitriyeva, T. S., Shlyakhter, R. A., Yatsimirskaya, T. S., Boiko, V. P. and Grishchenko, V. K.** 6, 1312
Dobrodumov, A. V. and Gotlib, Yu. Ya.: The computer simulation of slowing-down cooperative reactions 3, 620
Dobrovol'skaya, A. N. *See* **Laskovenko, N. N., Smetankina, N. P., Dobrovol'skaya, A. N. and Zapunnaya, K. V.** 4, 769
Dodobayev, G. and Slutsker, A. I.: Temperature dependence of the distortions in polyethylene crystallites 1, 33
Dodygina, V. P. *See* **Gafurova, M. G., Dodygina, V. P., Grigor'yeva, V. A., Chernyi, G. I., Komratova, V. V. and Baturin, S. M.** 4, 964
Doktorova, V. A. *See* **Yegorenkov, N. I., Kuzavkov, A. I. and Doktorova, V. A.** 12, 2840
Dolinnyi, A. I. *See* **Naryshkina, Ye. P., Volkov, V. Ya., Dolinnyi, A. I. and Izmailova, V. N.** 9, 2182
Dontsov, A. A., Tarasova, G. I. and Lapshova, A. A.: The influence of ambient factors on the volume redistribution of ingredients in elastomers 9, 2166
Dontsov, A. A. *See* **Zaporozhskaya, Ye. A., Ginzburg, L. V., Dontsov, A. A., Romanova, T. V. and Fomin, A. G.** 7, 1762
Dontsov, V. A., Grishin, D. F., Cherkasov, V. K. and Razuvayev, G. A.: Study of initiating capacity of the trialkyl boron + tert-butylperoxytrimethyl silicon system in presence of vinyl monomers by the ESR method 3, 493
Doroshenko, Yu. Ye. *See* **Saikina, Z. F., Doroshenko, Ye. Ye., Avdeyeva, N. K. and Korshak, V. V.** 1, 85
Dreval', V. Ye. *See* **Krasnikova, N. P., Dreval', V. Ye., Kotova, Ye. V., Plotnikova, Ye. P., Vinogradov, V. G., Belov, G. P. and Pel'tsbauer, Z.** 7, 1617
Dreval', V. Ye. *See* **Lachinov, M. B., Korolev, B. A., Dreval', V. Ye., Cherep, Ye. I., Zubov, V. P., Vinogradov, G. V. and Kabanov, V. A.** 10, 2547
Dreval', V. Ye. *See* **Vinogradov, G. V., Kurbanaliev, M. K., Dreval', V. Ye. and Borisenkova, Ye. K.** 1, 90
Dronov, S. V. *See* **Matyushov, V. F., Dronov, S. V. and Voronova, V. V.** 12, 2882
Dubinskaya, A. M. and Streletskii, A. N.: Formation of low molecular weight compounds during mechanical degradation of macromolecules 9, 2202
Dubnikova, I. L., Meshkova, I. N. and D'yachkovskii, F. S.: Effect of oxygen on the activity of a supported vanadium catalyst during gas phase polymerization of ethylene 10, 2392
Dubrovina, L. V. *See* **Blagodatskich, I. V., Dubrovina, L. V. and Pavlova, S.-S. A.** 2, 400
Dubrovina, L. V. *See* **Farmazyan, Z. M., Pavlova, S.-S. A. and Dubrovina, L. V.** 1, 142

Duflot, V. R., Faizi, N. Kh. and Chikin, Yu. A.: Influence of the structural ordering of liquid oligomers on the kinetics of radiation-induced polymerization 11, 2713
Dumpis, Yu. Ya. *See* **Vinogradova, Ye. L., Mal'ko, Ye. I., Dumpis, Yu. Ya. and Tager, A. A.** 10, 2452
Durgar'yan, S. G. *See* **Yampol'skii, Yu. P., Durgar'yan, S. G. and Nametkin, N. S.** 3, 592
Dustov, I. K. *See* **Kurbanaliyev, M. K., Dustov, I. K. and Malkin, A. Ya.** 11, 2626
Dvorikova, R. A. *See* **Korshak, V. V., Teplyakov, M. M. and Dvorikova, R. A.** 2, 293
Dvornikova, K. V. *See* **Gil'man, A. B., Shifrina, R. R., Dvornikova, K. V., Kolotyrkin, V. M., Platonov, V. Ye., Potapov, V. K. and Yakobson, G. G.** 1, 178
D'yachkov, A. I. *See* **Malysheva, L. I., D'yachkov, A. I., Ovchinnikova, Yu. I., Chuvilin, V. B. and Zubov, V. P.** 7, 1749
D'yachkovskii, F. S. *See* **Aladyshev, A. M., Lisitsyn, D. M. and D'yachkovskii, F. S.** 2, 412
D'yachkovskii, F. S. *See* **Dubnikova, I. L., Meshkova, I. N. and D'yachkovskii, F. S.** 10, 2392

Eismont, M. Yu. *See* **Plate, N. A., Postnikov, V. A., Lukin, N. Yu., Eismont, M. Yu. and Grudkova, G.** 11, 2668
El'tekov, Yu. A. *See* **Shilov, A. D., Basov, B. K. and El'tekov, Yu. A.** 3, 728
Entelis, S. G. *See* **Filatova, N. N., Rossina, D. Ya., Vevreinov, V. V. and Entelis, S. G.** 5, 1144
Entelis, S. G. *See* **Gorshkov, A. V., Yevreinov, V. V. and Entelis, S. G.** 3, 578
Eskin, V. Ye. and Baranovskaya, I. A.: On the use of a real gas model to describe the properties of polymer solutions in the region of extremely low concentrations 12, 2929
Eskin, V. Ye. *See* **Volkova, L. A., Andreyeva, N. A., Podol'skii, A. F., Bitsenko, M. I. and Eskin, V. Ye.** 6, 1327
Estrin, Ya. I. *See* **Barzykina, R. A., Radugin, V. S., Kuzayev, A. I. and Estrin, Ya. I.** 7, 1636

Fabulyak, F. G., Noyenko, V. G. and Lipatov, Yu. S.: Investigation of the effect of ionogenic groups on molecular mobility in polyestermaleate 8, 1859
Faizi, N. Kh. *See* **Duflot, V. R., Faizi, N. Kh. and Chikin, Yu. A.** 11, 2713
Faizi, N. Kh. *See* **Shiryayeva, G. V., Puchkova, V. V., Faizi, N. Kh., Kuz'min, I. B. and Klinshpont, E. R.** 3, 556
Faminskaya, L. A. *See* **Rabinovich, I. B., Maslova, V. A., Faminskaya, L. A., Gur'eva, S. V., Bespalov, Yu. A. and Fedotov, B. G.** 4, 841
Farmazyan, Z. M., Pavlova, S.-S. A. and Dubrovina, L. V.: Molecular weight studies of polyarylates with short branches 1, 142
Fatkullin, N. F. *See* **Kurzin, S. P., Tarasov, B. F., Fatkullin, N. F. and Aseyeva, R. M.** 1, 134
Fedin, E. I. *See* **Solov'eva, K. S., Golubov, V. N., Petrovskii, P. V., Fedin, E. I. and Tsetlin, B. L.** 8, 1909
Fedotov, B. G. *See* **Rabinovich, I. B., Maslova, V. A., Faminskaya, L. A., Gur'eva, S. V., Bespalov, Yu. A. and Fedotov, B. G.** 4, 841
Fedotov, Yu. A. *See* **Sokolov, L. B., Kuritsyn, L. V., Fedotov, Yu. A. and Bobko, L. A.** 3, 673
Fenelonov, V. B. *See* **Bukatov, G. D., Zaikovskii, V. I., Zakharov, V. A., Kryukova, G. N., Fenelonov, V. B. and Zagrafskaya, R. V.** 3, 599
Filatova, N. N., Rossina, D. Ya., Yevreinov, V. V. and Entelis, S. G.: Intrinsic viscosities of diethylene glycol adipate solutions of various functionalities 5, 1144
Filimonov, V. D. *See* **Sutyagin, V. M., Lopatinskii, V. P. and Filimonov, V. D.** 9, 2252

Filippenko, D. Ya. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Filippenko, D. Ya., Strokova, L. D.** and **Bulgakova, M. A.** 3, 549
Fioshina, M. A. *See* **Yanovskii, Yu. G., Vasin, A. V., Vinogradov, G. V., Bulynko, A. V., Sorochkin, Yu. B.** and **Fioshina, M. A.** 12, 2947
Fomin, A. G. *See* **Zaporozhskaya, Ye. A., Ginzburg, L. V., Dontsov, A. A., Romanova, T. V.** and **Fomin, A. G.** 7, 1762
Fomin, V. A. *See* **Popov, V. A., Zvereva, Yu. A., Grishin, A. N., Palayeva, T. V.** and **Fomin, V. A.** 8, 1883
Freidzon, Ya. S. *See* **Anufriyeva, Ye. V., Pautov, V. D., Freidzon, Ya. S., Shibayev, V. P.** and **Plate, N. A.** 4, 922
Freidzon, Ya. S. *See* **Arsenov, V. D., Mal'tsev, S. D., Marevtsev, V. S., Cherkashin, M. I., Freidzon, Ya. S., Shibayev, V. P.** and **Plate, N. A.** 11, 2635
Freidzon, Ya. S. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Kharitonov, A. V.** and **Shibayev, V. P.** 7, 1664
Freidzon, Ya. S. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Shibayev, V. P.** and **Plate, N. A.** 5, 1248
Frenkel', S. Ya. *See* **Ganicheva, S. I., Belyayev, V. M., Krivobokov, V. V., Kallistov, O. V.** and **Frenkel', S. Ya.** 7, 1734
Frenkel', S. Ya. *See* **Romankevich, O. V.** and **Frenkel', S. Ya.** 6, 1269
Frenkel', S. Ya. *See* **Romankevich, O. V., Zhila, T. I., Zabello, S. Ye., Shklyar, N. A.** and **Frenkel', S. Ya.** 11, 2614
Frenkel', S. Ya. *See* **Vettegren', V. I., Kusov, A. A., Korzhavin, L. N.** and **Frenkel', S. Ya.** 9, 2241
Fridman, A. I. *See* **Patsevich, I. V., Ogorodnikov, I. A., Fridman, A. I., Nefedov, V. I.** and **Salyn', Ya. V.** 7, 1775
Fridman, G. B. *See* **Levin, Ya. A., Fridman, G. B., Gurskaya, V. Sh., Gazizova, L. Kh., Shulyndin, S. V.** and **Ivanov, B. Ye.** 3, 667
Fridman, O. A., Naimark, N. I., Malinin, L. N. and **Vladimirov, Yu. I.**: Spontaneous elongation of cellulose acetate plastics 3, 565
Frolova, N. V. *See* **Treushnikov, V. M., Frolova, N. V., Gusarskaya, N. L.** and **Oleinik, A. V.** 8, 1845
Frunze, T. M. *See* **Gal'chenko, A. G., Khalturinskii, N. A., Sakharova, A. A., Popova, T. V., Frunze, T. M.** and **Berlin, Al. Al.** 1, 73

Gabrielyan, G. A. *See* **Kislyuk, M. S., Gabrielyan, G. A., Andrichenko, Yu. D.** and **Rogovin, Z. A.** 11, 2663
Gafurova, M. G., Dodygina, V. P., Grigor'yeva, V. A., Chernyi, G. I., Komratova, V. V. and **Baturin, S. M.**: Kinetics of interaction of *m*-chlorophenylisocyanate with hydroxyl end groups of oligobutadienes 4, 964
Gal'chenko, A. G., Khalturinskii, N. A., Sakharova, A. A., Popova, T. V., Frunze, T. M. and **Berlin, Al. Al.**: The effect of phosphorus on the high temperature pyrolysis of polymethylmethacrylate 1, 73
Gandel'sman, M. I. *See* **Gol'dman, A. Ya., Gandel'sman, M. I.** and **Khaikin, S. Ya.** 3, 533
Ganicheva, S. I., Belyayev, V. M., Krivobokov, V. V., Kallistov, O. V. and **Frenkel', S. Ya.**: Hydrodynamic characteristics and light scattering of solutions of a styrene–acrylonitrile copolymers prepared in a precipitant 7, 1734
Ganicheva, S. I. *See* **Gankina, E. S., Ganicheva, S. I., Belyayev, V. M., Kever, Ye. Ye.** and **Belen'kii, B. G.** 4, 909
Gankina, E. S., Ganicheva, S. I., Belyayev, V. M., Kever, Ye. Ye. and **Belen'kii,**

B. G.: Gradient adsorption thin layer chromatography of statistical styrene–acrylonitrile copolymers 4, 909
Gashnikova, N. P. *See* **Ivanilova, O. T., Korshak, V. V., Gashnikova, N. P., Litvinova, L. F., Yelinek, V. I.** and **Chuchin, A. Ye.** 2, 423
Gazizova, L. Kh. *See* **Levin, Ya. A., Fridman, G. B., Gurskaya, V. Sh., Gazizova, L. Kh., Shulyndin, S. V.** and **Ivanov, B. Ye.** 3, 667
Genkin, V. N. *See* **Bityurin, N. M., Genkin, V. N.** and **Sokolov, V. V.** 4, 832
Genkina, L. G. and **Pudov, S. V.**: Kinetics of the dehydrochlorination of polyvinylchloride in a closed system in the presence of HCl acceptors 9, 2195
Gevorgyan, M. A., Sel'skaya, O. G., Novokshonova, L. A. and **Sivergin, Yu. M.**: Temperature dependence of the properties of composites based on the polyethylene and pearlite 1, 171
Gil'man, A. B., Shifrina, R. R., Dvornikova, K. V., Kolotyrkin, V. M., Platonov, V. Ye., Potapov, V. K. and **Yakobson, G. G.** 1, 178
Ginzburg, L. V. *See* **Zaporozhskaya, Ye. A., Ginzburg, L. V., Dontsov, A. A., Romanova, T. V.** and **Fomin, A. G.** 7, 1762
Godovskii, Yu. K. and **Shibanov, Yu. D.**: The crystallization kinetics of block copolymer mixtures and multiple blocks of polyoxyethylene and polyarylate 5, 1116
Godovskii, Yu. K. *See* **Zhorin, V. A., Godovskii, Yu. K.** and **Yenikolopyan, N. S.** 5, 1073
Gogiashvili, T. M. *See* **Korshak, V. V., Vinogradova, S. V., Vasnev, V. A., Gogiashvili, T. M., Slonim, I. Ya., Urman, Ya. G.** and **Bulai, A. Kh.** 2, 350
Goikhman, A. Sh., Kirichenko, V. I., Demchenko, S. S., Matsibora, N. P. and **Privalko, V. P.**: Polymorphism and structural transformations of polycaproamide during annealing 1, 49
Gol'der, M. M. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, I. Ye.** and **Gol'der, M. M.** 5, 1218
Gol'der, M. M. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N.** and **Sivakova, R. N.** 5, 1183
Gol'dman, A. Ya., Gandel'sman, M. I. and **Khaikin, S. Ya.**: Model for volumetric rupture of non-oriented polymers 3, 533
Golikov, I. V. *See* **Lagunov, V. M., Golikov, I. V.** and **Korolev, G. V.** 1, 149
Golubev, V. B. *See* **Burdygin, I. F., Chupov, V. V., Valuyev, L. I., Aleksandrova, L. B., Golubev, V. B.** and **Plate, N. A.** 2, 406
Golubev, V. N. *See* **Solov'eva, K. S., Golubev, V. N., Petrovskii, P. V., Fedin, E. I.** and **Tsetlin, B. L.** 8, 1909
Golubkov, G. Ye. *See* **Levin, V. Yu., Zhdanov, A. A., Slonimskii, G. L., Martirosov, V. A., Kvachev, Yu. P., Golubkov, G. Ye.** and **Gritsenko, O. T.** 10, 2422
Gorbatenko, A. N. *See* **Lipatov, Yu. S., Nesterov, A. Ye., Ignatova, T. D., Shumskii, V. F.** and **Gorbatenko, A. N.** 4, 607
Gorelik, B. A., Aneli, J. N. and **Semenenko, E. I.**: Effect of diffusional and kinetic factors on the post-radiation oxidation of polyolefines 12, 2908
Gorichko, E. Ya. *See* **Lipatov, Yu. S., Karabanova, L. V., Sergeyeva, L. M.** and **Gorichko, E. Ya.** 1, 126
Gorin, Yu. A. *See* **Ikonitskii, I. V., Sokolova, S. G., Gorin, Yu. A., Marasanova, N. N.** and **Ventseslavskaya, K. K.** 7, 1688
Gorshkov, A. G., Turchaninov, V. K., Svyatkina, L. I., Kurov, G. N. and **Skvortsova, G. G.**: Polymerization of 10-vinylphenanthiazine in presence of organic π-acids 6, 1274
Gorshkov, A. V., Yevreinov, V. V. and **Entelis, S. G.**: The theory of adsorption and its relation to chromatographic separation of oligomers on porous adsorbents according to molecular masses and types of functionality 3, 578

Gotlib, Yu. Ya. *See* **Dobrodumov, A. V. and Gotlib, Yu. Ya.**	3,	620
Gotlib, Yu. Ya. *See* **Kozel, S. P., Gotlib, Yu. Ya., Lashkov, G. I. and Shelekhov, N. S.**	7,	1578
Grachev, V. I. *See* **Klimenko, I. B., Platonova, N. V., Grachev, V. I., Gracheva, N. P., Khasbulatova, A. G. and Novichkova, L. M.**	7,	1597
Gracheva, N. P. *See* **Klimenko, I. B., Platonova, N. V., Grachev, V. I., Gracheva, N. P., Khasbulatova, A. G. and Novichkova, L. M.**	7,	1597
Granik, S. O., Rogova, T. G., Samarin, Ye. F. and Shtarkman, B. P.: The effect of crosslinkages in polymethyl methacrylate on the parameters and mechanism of diffusional transfer	2,	345
Grebneva, V. S. *See* **Shtennikova, I. N., Peker, T. V., Kolbina, G. F., Petrov, V. R., Grebneva, V. S., Konstantinov, I. I. and Amerik, Yu. B.**	10,	2340
Gribkova, P. N. *See* **Pavlova, S.-S. A., Gribkova, P. N., Belyakova, T. N., Polina, T. V., Komarova, L. G., Bekasova, N. I. and Korshak, V. V.**	8,	1953
Gribova, I. A. *See* **Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, N. M., Khotina, I. A. and Yunnikov, V. V.**	8,	1934
Gridchin, S. A., Shatalov, G. V., Masterova, M. N., Mikhant'ev, B. I. and Zubov, V. P.: Kinetics of radiation polymerization of allylpyridazones	2,	286
Grigor'ev, V. P.: The free induction signal from amorphous parts of partially crystalline polymers	12,	2971
Grigor'ev, Yu. N., Savostyanov, V. S., Kritskaya, D. A., Ponomarev, A. N. and Zagorets, P. A.: Radiation-induced graft polymerization of acrylic acid to powdered low-pressure polyethylene	8,	2015
Grigor'eva, V. A., Vokina, O. G., Tsarik, L. Ya. and Baturin, S. M.: Heat of wetting and porous structure of network copolymers	12,	2903
Grigor'yeva, V. A. *See* **Gafurova, M. G., Dodygina, V. T., Grigor'yeva, V. A., Chernyi, G. I., Komratova, V. V. and Baturin, S. M.**	4,	964
Grishchenko, A. Ye.: Birefringence of swollen non-gaussian polymeric networks	8,	1889
Grishchenko, A. Ye., Afonin, S. N., Artem'ev, V. A., Myasnikov, G. D., Koval'skii, A. F. and Skazka, V. S.: Study of the structure and molecular mobility of crystalline polyethylene by the methods of photo-elasticity and torsion pendulum	7,	1551
Grishchenko, A. Ye., Afonin, S. N., Popov, A. Ye. and Skazka, V. S.: Birefringence of polymethylmethacrylate in a sinusoidal mechanical field	6,	1306
Grishchenko, A. Ye., Kotov, L, N., Afonin, S. N., Budovskaya, L. D., Ivanova, V. N., V. N., Tkacheva, I. I. and Skazka, V. S.: The study of relaxational properties of molecular networks of polyoctafluoroamyl methacrylate by photoelasticity and torsion pendulum methods	9,	2128
Grishchenko, V. K. *See* **Karnaukh, A. P., Gudzera, S. S. and Grishchenko, V. K.**	10,	2555
Grishchenko, V. K. *See* **Valuyeva, V. I., Dmitriyeva, T. S., Shlyakhter, R. A., Yatsimirskaya, T. S., Boiko, V. P. and Grishchenko, V. K.**	6,	1312
Grishin, A. N. *See* **Popov, V. A., Zvereva, Yu. A., Klimov, Ye. S., Palayeva, T. V. and Grishin, A. N.**	4,	808
Grishin, A. N. *See* **Popov, V. A., Zvereva, Yu. A., Grishin, A. N., Palayeva, T. V. and Fomin, V. A.**	8,	1883
Grishin, D. F. *See* **Dontsov, V. A., Grishin, D. F., Cherkasov, V. L. and Razuvayev, G. A.**	3,	493
Gritsenko, O. T. *See* **Levin, V. Yu., Zhdanov, A. A., Slonimskii, G. L., Martirosov, V. A., Kvachev, Yu. P., Golubkov, G. Ye. and Gritsenko, O. T.**	10,	2422
Grokhovskaya, T. Ye. *See* **Volynskii, A. L., Grokhovskaya, T. Ye., Shitov, N. A. and Bakeyev, N. F.**	6,	1430

Grosberg, A. Ya.: Notes on the theory of adsorption of a single macromolecules **6,** 1344
Grozdov, A. G. *See* **Maslov, V. A., Grozdov, A. G.** and **Kutepov, D. F.** **8,** 2034
Grudkova, G. *See* **Plate, N. A., Postnikov, V. A., Lukin, N. Yu., Eismont, M. Yu.** and **Grudkova, G.** **11,** 2668
Gubanov, E. F. *See* **Zuyev, B. M., Gubanov, E. F., Shulyndin, S. V., Dikolenko, S. V., Romanov, V. G.** and **Ivanov, B. Ye.** **12,** 3000
Gudzera, S. S. *See* **Karnaukh, A. P., Gudzera, S. S.** and **Grishchenko, V. K.** **10,** 2555
Gul', V. Ye. *See* **Popova, Ye. V., Bulatnikova, L. I., Belyatskaya, O. N.** and **Gul', V. Ye.** **3,** 570
Gumargalieva, K. Z. *See* **Voronkova, O. S., Daurova, T. T., Moiseyev, Yu. V.** and **Gumargalieva, K. Z.** **7,** 1804
Gurai, V. I. *See* **Baratova, T. N., Mieleshkevich, V. P.** and **Gurai, V. I.** **1,** 27
Gur'eva, S. V. *See* **Rabinovich, I. B., Maslova, V. A., Faminskaya, L. A., Gur'eva, S. V., Bespalov, Yu. A.** and **Fedotov, B. G.** **4,** 841
Gurskaya, V. Sh. *See* **Levin, Ya. A., Fridman, G. B., Gurskaya, V. Sh., Gazizova, L. Kh., Shulyndin, S. V.** and **Ivanov, B. Ye.** **3,** 667
Gurvich, Ya. A. *See* **Razumovskii, S. D., Vinitskaya, Ye. L., Kefeli, A. A., Gurvich, Ya. A.** and **Zaikov, G. Ye.** **6,** 1397
Guryleva, A. A. *See* **Andreyev, O. P., Guryleva, A. A.** and **Tavrin, A. Ye.** **6,** 1518
Gusarskaya, N. L. *See* **Treushnikov, V. M., Frolova, N. V., Gusarskaya, N. L.** and **Oleinik, A. V.** **8,** 1845
Guseinov, S. A. *See* **Ragimov, A. V., Ragimov, I. I., Mamedov, B. A., Guseinov, S. A.** and **Liogon'kii, B. I.** **10,** 2434
Gusev, S. S. *See* **Kalutskaya, E. P.** and **Gusev, S. S.** **11,** 2778
Gusev, S. S. *See* **Kalutskaya, E. P., Gusev, S. S., Shpilevskaya, L. Ye.** and **Yermolenko, I. N.** **6,** 1279
Guseva, L. N. *See* **Mikheyev, Ye. A., Rogova, L. S., Guseva, L. N.** and **Toptygin, D. Ya.** **5,** 1176
Gutin, B. I. *See* **Budtov, V. P., Polyakov, Z. N., Gutin, B. I., Belayev, V. M.** and **Ponomareva, Ye. L.** **6,** 1367
Guzeyev, V. V. *See* **Yushkova, S. M., Tager, A. A., Bessenov, Yu. S., Guzeyev, V. V.** and **Yezhov, V. S.** **7,** 1557

Ignatova, T. D. *See* **Lipatov, Yu. S., Nesterov, A. Ye., Ignatova, T. D., Shumskii, V. F.** and **Gorbatenko, A. N.** **3,** 607
Ikonitskii, I. V., Sokolova, S. G., Gorin, Yu. A., Marasanova, N. N. and **Ventseslavskaya, K. K.:** Infrared analysis of the conditions of synthesis of alkyl alumoxane complex catalysts influencing their activity in the copolymerization of epoxides **7,** 1688
Inoyatova, A. Kh. *See* **Aikhodzhayev, B. I., Inoyatova, A. Kh.** and **Berenshtein, Ye. I.** **6,** 1495
Ioelovich, M. Ya., Kaimin', I. F. and **Veveris, G. P.:** The crystallization of amorphized cellulose **6,** 1382
Ionov, Yu. A. *See* **Shaboldin, V. P., Denishev, V. N., Ionov, Yu. A.** and **Akatova, S. P.** **5,** 1243
Iovleva, M. M. and **Papkov, S. P.:** Polymer crystallosolvates. Review **2,** 236
Iriskina, L. B. *See* **Turekhanov, T. M.** and **Irishkina, L. B.** **3,** 528
Irzhak, V. I. *See* **Tarasov, V. P., Smirnov, Yu. N., Yerofeyev, L. N., Irzhak, V. I.** and **Rozenberg, B. A.** **11,** 2732

Isayev, K. S. *See* **Zadorina, Ye. N., Vishnevskii, G. Ye., Isayev, K. S., Sakunenko, Yu. I., Mikitayeva, N. K.** and **Zelenev, Yu. V.** 5, 1067
Ivanchev, S. S., Podosenova, N. G., Konovalenko, V. V., Kuznetsova, T. A., Zolikov, E. G. and **Budtov, V. P.**: The study of kinetic features of the radical polymerization of styrene, initiated by *o,o'*-carbo-tert-butylperoxysuccinyl peroxide 1, 98
Ivanilova, O. T., Korshak, V. V., Gashnikova, N. P., Litvinova, L. F., Yelinek, V. I. and **Chuchin, A. Ye.**: Relation between conditions of synthesis, structure and properties of polyarylene methylenes 2, 423
Ivanilova, O. T. *See* **Chuchin, A. Ye.** and **Ivanilova, O. T.** 4, 952
Ivanov, B. Ye. *See* **Levin, Ya. A., Fridman, G. B., Gurskaya, V. Sh., Gazizova, L. Kh., Shulyndin, S. V.** and **Ivanov, B. Ye.** 3, 667
Ivanov, B. Ye. *See* **Zuyev, B. M., Gubanov, E. F., Shulyndin, S. A., Dikolenko, S. V., Romanov, V. G.** and **Ivanov, B. Ye.** 12, 3000
Ivanova, L. I. *See* **Yanovskii, Yu. G., Vinogradov, G. V.** and **Ivanova, L. I.** 5, 1194
Ivanova, S. L. *See* **Kulichikhin, S. G., Ivanova, S. L., Korchagina, M. A.** and **Malkin, A. Ya.** 2, 473
Ivanova, S. R. *See* **Minsker, K. S., Kolesov, S. V.** and **Ivanova, S. R.** 11, 2671
Ivanova, V. N. *See* **Grishchenko, A. Ye., Kotov, L. N., Afonin, S. N., Dubovskaya, L. D., Ivanova, V. N., Tkacheva, I. I.** and **Skazka, V. S.** 9, 2128
Izmailova, V. N *See* **Naryshkina, Ye. P., Volkov, V. Ya., Dolinnyi, A. I.** and **Izmailova, V. N.** 9, 2182
Izumrudov, V. A., Bronich, T. K., Novikova, M. B., Zezin, A. B. and **Kabanov, V. A.** 2, 367
Izyumnikov, A. L. *See* **Belen'kaya, B. G., Lyudvig, Ye. B., Izyumnikov, A. L.** and **Kul'velis, Yu. I.** 2, 306

Kabanov, V. A. *See* **Baranovskii, V. Yu., Kazarin, L. A., Litmanovich, A. A., Papisov, I. M.** and **Kabanov, V. A.** 7, 1683
Kabanov, V. A. *See* **Izumrudov, V. A., Bronich, T. K., Novikova, M. B., Zezin, A. B.** and **Kabanov, V. A.** 2, 367
Kabanov, V. A. *See* **Lachinov, M. B., Korolev, B. A., Dreval', V. Ye., Cherep, Ye. I., Zubov, V. P., Vinogradov, G. V.** and **Kabanov, V. A.** 10, 2547
Kabanov, V. A. *See* **Shul'ga, G. M., Kalyuzhnaya, R. I., Mozheiko, L. M., Rekner, F. V., Zezin, A. B.** and **Kabanov, V. A.** 7, 1725
Kabanov, V. Ya. *See* **Kudryavtsev, Val. N.** and **Kabanov, V. Ya.** 2, 440
Kaimin', I. F. *See* **Ioelovich, M. Ya., Kaimin', I. F.** and **Veveris, G. P.** 6, 1382
Kalabina, A. V. *See* **Vokina, O. G., Tsarik, L. Ya., Kalabina, A. V.** and **Kuzayev, A. I.** 7, 1563
Kalmykova, V. D. *See* **Kulichikhina, T. A., Platonov, V. A., Vasil'eva, N. V., Kogan, Ye. G., Kulichikhin, V. G., Kalmykova, V. D., Volokhina, A. V.** and **Papkov, S. P.** 5, 1085
Kalnin'sh, K. K. and **Lyubimova, G. V.**: Elementary stages in polycondensation 7, 1643
Kalutskaya, E. P. and **Gusev, S. S.**: IR spectroscopic study of hydration of cellulose acetates and polyvinyl acetate 11, 2778
Kalutskaya, E. P., Gusev, S. S., Shpilevskaya, L. Ye. and **Yermolenko, I. N.**: IR-spectroscopic study of hydration of the carboxyl-containing celluloses and polyacrylic acid 6, 1279
Kalinina, G. S. *See* **Smirnova, L. A., Semchikov, Yu. D., Kamyshenkova, L. I., Sveshnikova, T. G., Yegorochkin, A. N., Kalinina, G. S.** and **Yegorov, B. A.** 5, 1127
Kallistov, O. V. *See* **Ganicheva, S. I., Belyayev, V. M., Krivobokov, V. V., Kallistov, O. V.** and **Frenkel', S. Ya.** 7, 1734

Kalnin'sh, K. K. *See* **Artem'eva, V. N., Koton, M. M., Kukarkina, N. V., Zhukova, T. I., Kalnin'sh, K. K., Lyubimova, G. V.** and **Shadrin, V. N.** 4, 782
Kalyuzhnaya, R. I. *See* **Shul'ga, S. M., Kalyuzhnaya, R. I., Mozheiko, L. M., Rekner, F. V., Zezin, A. B.** and **Kabanov, V. A.** 7, 1725
Kamenskii, A. N. *See* **Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I., Kamenskii, A. N.** and **Nefedova, G. Z.** 4, 915
Kamyshenkova, L. I. *See* **Smirnova, L. A., Semchikov, Yu. D., Kamyshenkova, L. I., Sveshnikova, T. G., Yegorochkin, A. N., Kalinina, G. S.** and **Yegorov, B. A.** 5, 1127
Kamzolkina, Ye. V. *See* **Koton, M. M., Meleshko, T. K., Kudryavtsev, V. V., Nechayav, P. P., Kamzolkina, Ye. V.** and **Bogorad, N. N.** 4, 791
Kapitonova, N. A. *See* **Pimenov, G. G., Maklakov, A. I., Oreshnikova, V. M., Mikheleva, N. V., Marchenko, G. I., Kuznetsov, Yu. A.** and **Kapitonova, N. A.** 6, 1335
Karabanova, L. V. *See* **Lipatov, Yu. S., Karabanova, L. V., Sergeyeva, L. M.** and **Gorichko, E. Ya.** 1, 126
Karapetyan, Z. L. *See* **Kurzayev, A. G., Karapetyan, Z. L.** and **Marchenko, A. P.** 10, 2400
Karaputadze, T. M. *See* **Aleksandrova, T. A., Karaputadze, T. M., Shapiro, A. B., Kirsh, Ye. E.** and **Vasserman, A. M.** 11, 2725
Karimov, S. N. *See* **Bartenev, G. M., Karimov, S. N., Narzullayev, B. N., Tsoi, B.** and **Shermatov, D.** 9, 2267
Karmilova, L. V. *See* **Zarkhina, A. N., Zarkhin, L. S., Zelenetskii, A. N., Karmilova, L. V.** and **Prut, E. V.** 11, 2793
Karmilova, L. V. *See* **Zarkhina, T. S., Zelenetskii, A. N., Zarkhin, L. S., Karmilova, L. V., Prut, E. V.** and **Yenikolopyan, N. S.** 3, 647
Karnaukh, A. P., Gudzera, S. S. and **Grishchenko, V. K.**: Dilatometers and dilatometric installations for the study pf photo-initiated polymerization of liquid compounds based on oligourethane acrylates 10, 2555
Karp, M. G. *See* **Vol'fson, S. I., Karp, M. G.** and **Kirpichnikov, P. A.** 4, 945
Karpasas, M. M. *See* **Minsker, K. S., Ponomarev, O. A., Karpasas, M. M.** and **Lomakin, G. S.** 7, 1542
Karpova, S. G. *See* **Popov, A. A., Karpova, S. G.** and **Zaikov, G. Ye.** 11, 2760
Karpukhin, O. N. *See* **Slobodetskaya, Ye. M., Magomedova, T. V., Karpukhin, O. N.** and **Protasov, V. G.** 2, 257
Kartashov, E. M. and **Bartenev, G. M.**: The time dependence of the strength of polymer glasses in a surface active media 7, 1628
Kazantseva, V. V. *See* **Askadskii, A. A., Vointseva, I. I., Mustafayeva, B. B., Kazantseva, V. V.** and **Slonimskü, G. L.** 11, 2813
Kazarin, L. A. *See* **Baranovskii, V. Yu., Kazarin, L. A., Litmanovich, A. A., Papisov, I. M.** and **Kabanov, V. A.** 7, 1683
Kedrina, N. F., *See* **Tatarova, L. A., Yermakova, T. G., Berlin, Al. Al., Razvodovskii, Ye. F., Lopyrev, V. A., Kedrina, N. F.** and **Yenikolopyan, N. S.** 10, 2529
Kefeli, A. A. *See* **Razumovskii, S. D., Vinitskaya, Ye. L., Kefeli, A. A., Gurvich, Ya. A.** and **Zaikov, G. Ye.** 6, 1397
Kefeli, T. Ya. *See* **Lomakin, S. M., Aseyeva, R. M., Shashkova, V. T., Kefeli, T. Ya.** and **Zaikov, G. Ye.** 10, 2378
Kever, Ye. Ye. *See* **Gankina, E. S., Ganicheva, S. I., Belyayev, V. M., Kever, Ye. Ye.** and **Belen'kii, B. G.** 4, 909
Khabarova, T. I. and **Trapeznikov, A. A.**: Kinepectic reinforcement and relaxation of coordination-polymer gels of aluminium soaps 7, 1709
Khachaturov, A. S., Abramenko, Ye. L. and **Syatkovskii, A. I.**: Structure of 1-methylcyclooctadiene polymer as judged by the ^{13}C NMR spectra 4, 775

Khaikin, S. Ya. *See* **Gol'dman, A. Ya., Gandel'sman, M. I.** and **Khaikin, S. Ya.** 3, 533
Khaitin, B. Sh.: Mathematical modelling of caprolactam polymerization 5, 1091
Khalatur, P. G.: Structure of the lipid bilayer. "Computer experimental" and "scaling" theory 10, 2356
Khalatur, P. G. and **Platneva, S. G.**: Computer modelling of the thermodynamic properties of polymer solutions of varied concentration 12, 2873
Khalatur, P. G. and **Pletneva, S. G.**: Concentration dependence of the mean dimensions of the flexible polymer chain in semi-dilute solution as judged by "computer experimental" data 3, 518
Khalturinskii, N. A. *See* **Gal'chenko, A. G., Khalturinskii, N. A., Sakharova, A. A., Popova, T. V., Frunze, T. M.** and **Berlin Al. Al.** 1, 73
Khardin, A. P., Tuzhikov, O. I. and **Lemasov, A. I.**: New phosphorus containing cellulose derivatives 9, 2115
Kharitonov, A. V. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Kharitonov, A. V.** and **Shibayev, V. P.** 7, 1664
Khasbulatova, A. G. *See* **Klimenko, I. B., Platonova, N. V., Grachev, V. I., Gracheva, N. P., Khasbulatova, A. G.** and **Novichkova, L. M.** 7, 1597
Khim, N. N. *See* **Meyerson, S. I., Shakhova, Ye. M., Prokof'eva, M. V.** and **Khim, N. N.** 3, 704
Khlebtsov, N. G. *See* **Ramazanov, K. R., Khlebtsov, N. G., Klenin, V. I.** and **Podol'skii, A. F.** 12, 3035
Khokhlov, A. R. *See* **Semenov, A. N.** and **Khokhlov, A. R.** 8, 1989
Khokhlov, A. R. *See* **Semenov, A. N.** and **Khokhlov, A. R.** 12, 2958
Kholodenko, B. V., Vasil'ev, P. I. and **Andrianova, G. P.**: The properties of polybutamide solutions 3, 613
Khotina, I. A. *See* **Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M., Khotina, I. A.** and **Yunnikov, V. V.** 8, 1943
Khozin, V. G., Polyanskii, A. A., Budnik, Yu. M. and **Voskresenskii, V. A.**: Change in the supramolecular structure of epoxide polymers under the influence of solvents 11, 2646
Khramova, G. I. *See* **Zaitsev, B. A., Khramova, G. I.** and **Dantsig, L. I.** 12, 2831
Kim, I. P. *See* **Kiryukhin, D. P., Nevel'skaya, T. I., Kim, I. P.** and **Barkalov, I. M.** 2, 330
Kiparisova, Ye. G. *See* **Kulagina, T. G., Lebedev, B. V., Kiparisova, Ye. G., Lyudvig, Ye. B.** and **Barskaya, I. G.** 7, 1702
Kireyev, V. V. *See* **Kochervinskii, V. V., Sokol'skaya, I. B., Kireyev, V. V.** and **Zelenev, Yu. V.** 6, 1443
Kirichenko, E. A. *See* **Damayeva, A. D., Mashutina, G. G.** and **Kirichenko, E. A.** 8, 1920
Kirichenko, V. I. *See* **Goikhman, A. Sh., Kirichenko, V. I., Demchenko, S. S., Matsibora, N. P.** and **Privalko, V. P.** 1, 49
Kirpichnikov, P. A. *See* **Vol'fson, S. I., Karp, M. G.** and **Kirpichnikov, P. A.** 4, 945
Kirpikov, S. V. *See* **Bruk, M. A., Chuikov, K. K., Abkin, A. D.** and **Kirpikov, S. V.** 3, 696
Kirsh, Yu. E. *See* **Aleksandrova, T. A., Karaputadze, T. M., Shapiro, A. B., Kirsh, Yu. E. E.** and **Vasserman, A. M.** 11, 2725
Kirsh, Yu. E. *See* **Skurlatov, Yu. I., Kokorin, A. I., Travin, S. O., Kirsh, Yu. E.** and **Purmal', A. P.** 9, 2143
Kiryukhin, D. P., Nevel'skaya, T. I., Kim, I. P. and **Barkalov, I. M.**: Tetrafluoroethylene telomerization in acetane initiated by ^{60}Co γ-rays and by radical initiators. Soluble telomers 2, 330

Kiryukhin, D. P. *See* **Allayarov, S. R., Kiryukhin, D. P., Asamov, M. K. and Barkalov, I. M.** 3, 511

Kislyuk, M. S., Gabrielyan, G. A., Andrichenko, Yu. D. and Rogovin, Z. A.: The synthesis of graft copolymers of polycaproamide with polydimethylamide with polydimethylaminoethyl methacrylate, using a reversible redox system 11, 2663

Klenin, V. I. *See* **Ramazanov, K. R., Khlebtsov, N. G., Klenin, V. I. and Podol'skii, A. F.** 12, 3035

Klimenko, I. B., Platonova, N. V., Grachev, V. I., Gracheva, N. P., Khasbulatova, A. G. and Novichkova, L. M.: A spectroscopic study of the thermo-oxidative degradation of copolymers of acrylonitrile with N-methylolacrylamide 7, 1597

Klimentova, N. V. *See* **Zhulin, V. M., Makarova, Z. G., Klimentova, N. V., Suprun, A. N., Akopyan, A. N. and Shakhovskoi, G. P.** 12, 3015

Klimov, Ye. S. *See* **Popov, V. A., Zvereva, Yu. A., Klimov, Ye. S., Palayeva, T. V. and Grishin, A. N.** 4, 808

Klinshpont, E. R. *See* **Shiryayeva, G. V., Puchkova, V. V., Faizi, N. Kh., Kuz'min, I. B. and Klinshpont, E. R.** 3, 556

Kochervinskii, V. V., Sokol'skaya, I. B., Kireyev, V. V. and Zelenev, Yu. V.: Dielectric relaxation in polydialkoxyphosphazenes 6, 1443

Kodolov, V. I., Lyakhovich, A. M., Tyurin, S. A., Shabanova, I. N., Lipanov, A. M. and Trapeznikov, V. A.: An X-ray electron-microscopic study of a number of processes in polymers 4, 855

Kogan, S. I. and Budtov, V. P.: Distribution functions by size and friction coefficients of randomly branched macromolecules 6, 1289

Kogan, Ye. G. *See* **Kulichikhina, T. A., Platonov, V. A., Vasil'eva, N. V., Kogan, Ye. G., Kulichikhin, V. G., Kalmykova, V. D., Volokhina, A. V. and Papkov, S. P.** 5, 1085

Kokorin, A. I. *See* **Skurlatov, Yu. I., Kokorin, A. I., Travin, S. O., Kirsh, Yu. E. and Purmal', A. P.** 9, 2143

Kolbina, G. F. *See* **Shtennikova, I. N., Peker, T. V., Kolbina, G. F., Petrov, V. R., Grebneva, V. S., Konstantinov, I. I. and Amerik, Yu. B.** 10, 2340

Kolesov, S. V. *See* **Minsker, K. S., Kolesov, S. V. and Petrov, V. V.** 11, 2808

Kolesov, S. V. *See* **Minsker, K. S., Kolesov, S. V., Petrov, V. V. and Berlin, Al. Al.** 4, 854

Kolmakova, L. K. *See* **Tager, A. A., Adamova, L. V., Kolmakova, L. K., Nokhrina, N. N., Valetskii, P. M., Rogovina, L. Z. and Storozhuk, I. P.** 10, 2331

Kolobova, T. A. *See* **Pogodina, N. V., Lavrenko, P. N., Pozhivilko, K. S., Mel'nikov, A. B., Kolobova, T. A., Marchenko, G. N. and Tsvetkov, V. N.** 2, 358

Kolomiets, I. P. *See* **Tsvetkov, V. N., Kolomiets, I. P., Lezov, A. V. and Stepchenkov, A. S.** 4, 978

Kolesov, S. V. *See* **Minsker, K. S., Kolesov, S. V. and Ivanova, S. R.** 11, 2671

Kolosova, T. A. *See* **Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M., Khotina, I. A. and Yunnikov, V. V.** 8, 1934

Kolotyrkin, V. M. *See* **Gil'man, A. B., Shifrina, R. R., Dvornikova, K. V., Kolotyrkin, V. M., Platonov, V. Ye., Potapov, V. K. and Yakobson, G. G.** 1, 178

Komarov, B. A. *See* **Kushch, P. P., Komarov, B. A. and Rozenberg, B. A.** 2, 335

Komarov, V. S. *See* **Sergeyev, G. B., Komarov, V. S. and Bekhterev, V. N.** 12, 2977

Komarov, B. A. *See* **Volkov, V. P., Naidovskii, Ye. S., Komarov, B. A., Kuzayev, A. I. and Rozenberg, B. A.** 12, 2895

Komarova, L. G. *See* **Korshak, V. V., Bekasova, N. I. and Komarova, L. G.** 11, 2788

Komarova, L. G. *See* **Pavlova, S.-S. A., Gribkova, P. N., Balykova, T. N., Polina, T. V., Komarova, L. G., Bekasova, N. I. and Korshak, V. V.** 8, 1953

Komratova, V. V. *See* **Gafurova, M. P., Dodygina, V. P., Grigor'yeva, V. A., Chernyi, G. I., Komratova, V. V.** and **Baturin, S. M.** 4, 964
Konovets, B. I. *See* **Andreyeva, V. M., Konovets, B. I., Tager, A. A., Vygodskii, Ya. S.** and **Vinogradova, S. V.** 6, 1456
Kononenko, N. E. *See* **Sergeyev, V. A., Vdovina, L. I.** and **Kononenko, N. E.** 6, 1480
Konovalenko, V. V. *See* **Ivanchev, S. S., Podosenova, N. G., Konovalenko, V. V., Kuznetsova, T. A., Zolikov, E. G.** and **Budtov, V. P.** 1, 98
Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Yu. A., Bakeyev, N. F. and **Baulin, A. A.:** Effect of low molecular weight fractions and side branches in the main chain of the macromolecules on the recrystallization process during pressure annealing of polyethylene 10, 2385
Konstantinov, I. I. *See* **Bushin, S. V., Korneyeva, Ye. V., Konstantinov, I. I., Amerik, Yu. B., Didenko, S. A., Shtennikova, I. N.** and **Tsvetkov, V. N.** 7, 1671
Konstantinov, I. I. *See* **Shtennikova, I. N., Peker, T. V., Kolbina, G. F., Petrov, V. R., Grebneva, V. S., Konstantinov, I. I.** and **Amerik, Yu. B.** 10, 2340
Kopylov, V. M., Prikhod'ko, P. L. and **Kovyazin, V. A.:** Polymerization of hexamethylcyclotrisiloxane by α,ω-bis-(tetramethylammonium) oligodimethylsiloxane in the presence of trimethylsilanol 8, 1998
Korchagina, M. A. *See* **Kulichikhin, S. G., Ivanova, S. L., Korchagina, M. A.** and **Malkin, A. Ya.** 2, 473
Korneyeva, Ye. V. *See* **Bushin, S. V., Korneyeva, Ye. V., Konstantinov, I. I., Amerik, Yu. B., Didenko, S. A., Shtennikova, I. N.** and **Tsvetkov, V. N.** 7, 1671
Korolev, B. A. *See* **Lachinov, M. B., Korolev, B. A., Dreval', V. Ye., Cherep, Ye. I., Zubov, V. P., Vinogradov, G. V.** and **Kabanov, V. A.** 10, 2547
Korolev, G. V. *See* **Lagunov, V. M., Golikov, I. V.** and **Korolev, G. V.** 1, 149
Korolev, S. V. and **Kuchanov, S. I.:** Calculation of the distribution of units and composition heterogeneity of copolymers obtained by a complex-radical mechanism 3, 709
Korolev, S. V. and **Kuchanov, S. I.:** Configuration statistics of copolymers obtained by a complex-radical mechanism 3, 720
Korolev, S. V., Kuchanov, S. I. and **Slin'ko, M. G.:** Calculation of gel points taking account of cyclization reactions 10, 2489
Korolev, S. V. *See* **Kuchanov, S. I., Korolev, S. V.** and **Slin'ko, M. G.** 10, 2477
Korshak, V. V.: Functionality of monomers and structure of polymers obtained by polycondensation. Review 8, 1783
Korshak, V. V., Bekasova, N. I. and **Komarova, L. G.:** Synthesis and study of heterogeneous polyamides containing *m*-carborane 11, 2788
Korshak, V. V., Berestneva, G. L., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okromchedlidze, N. P. and **Kudryavtsev, G. I.:** Chemical structure of polyphenylene-1,3,4-oxadiazole and fibres based on them 1, 41
Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, D. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M., Khotina, I. A. and **Yunnikov, V. V.:** Influence of the chemical structure of polyarylene sulphides on properties of the filled polymers 8, 1934
Korshak, V. V., Markova, G. D., Slonim, I. Ya., Vasnev, V. A., Vinogradova, S. V., Urman, Ya. G. and **Bulai, A. Kh.:** Synthesis ani study of polyesters based on asymmetrical diols 6, 1437
Korshak, V. V., Shtil'man, M. I., Voskanyan, P. S. and **Denisova, L. A.:** Interaction of polyglycidyl methacrylate with carboxylic acids 12, 3030

Korshak, V. V., Teplyakov, M. M. and Dvorikova, R. A.: Investigation of the polycyclocondensation of acetyl compounds 2, 392
Korshak, V. V., Vinogradova, S. V., Vasnev, V. A., Gogiashvili, T. M., Slonim, I. Ya., Urman, Ya. G. and Bulai, A. Kh.: Aspects of copolymer synthesis by heterophase polycondensation 2, 350
Korshak, V. V. *See* **Ivanilova, O. T., Korshak, V. V., Gashnikova, N. P., Litvinova, L. F., Yelinek, V. I. and Chuchin, A. Ye.** 2, 423
Korshak, V. V. *See* **Mikitayev, A. K., Korshak, V. V. and Shustov, G. B.** 12, 2941
Korshak, V. V. *See* **Pavlova, S.-S. A., Gribkova, P. N., Belyakova, T. N., Polina, T. V., Komarova, L. G., Bekasova, N. I. and Korshak, V. V.** 8, 1953
Korshak, V. V. *See* **Saikina, Z. F., Doroshenko, Ye. Ye., Avdeyeva, N. K. and Korshak V. V.** 1, 85
Korshak, V. V. *See* **Sergeyev, V. V., Shitikov, V. K., Chizhova, N. V. and Korshak, V. V.** 11, 2700
Korshak, V. V. *See* **Shirokova, L. B., Storozhuk, I. P., Voishchev, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, G. L., Vinogradova, V. S. and Korshak, V. V.** 9, 2259
Korshak, V. V. *See* **Voishchev, S. V., Valetskii, P. M., Sidorenko, V. I., Voishcheva, O. I., Vinogradova, S. V. and Korshak, V. V.** 10, 2537
Korshak, Ye. V. *See* **Badamshina, E. R., Timofeyeva, G. I., Korshak, Yu. V., Berlin, Al. Al., Vdovin, V. M., Kutepov, D. F. and Pavlova, S.-S. A.** 1, 164
Korsukov, V. Ye. *See* **Pakhomov, P. M., Korsukov, V. Ye. and Tsobkallo, Ye. S.** 2, 468
Korzhavin, L. N. *See* **Vettegren', V. I., Kusov, A. A., Korzhavin, L. N. and Frenkel', S. Ya.** 9, 2241
Kosheleva, I. M., Mekenitskaya, L. I., Sokolova, V. L. and Stefanovskaya, N. N.: Properties of *trans*-polypiperylene in solutions 5, 1237
Koton, M. M., Meleshko, T. K., Kudryavtsev, V. V., Nechayev, P. P., Kamzolkina, Ye. V. and Bogorad, N. N.: Investigation of the kinetics of chemical imidization 4, 791
Koton, M. M. *See* **Artem'eva, V. N., Koton, M. M., Kukarkina, N. V., Zhukova, T. I., Kalnin'sh, K. K., Lyubimova, G. V. and Shadrin, V. N.** 4, 782
Koton, M. M. *See* **Shibayev, L. A., Sazanov, Yu. N., Stepanov, N. G., Bulina, T. M., Zhukova, T. I. and Koton, M. M.** 12, 2922
Koton, M. M. *See* **Smirnova, V. Ye., Bessonov, M. I., Zhukova, T. I., Koton, M. M., Kudryavtsev, V. V., Sklizkova, V. P. and Lebedev, G. A.** 6, 1375
Kotov, B. V. *See* **Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A. and Pravednikov, A. N.** 4, 894
Kotov, L. N. *See* **Grishchenko, A. Ye., Kotov, L. N., Afonin, S. N., Budovskaya, L. D., Ivanova, V. N., Tkacheva, I. I. and Skazka, V. S.** 9, 2128
Kotov, N. M. *See* **Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Yu. A., Bakeyev, N. F. and Baulin, A. A.** 10, 2385
Kotova, A. V., Chalykh, A. Ye., Avdeyev, N. N. and Mezhikovskii, S. M.: Phase equilibrium in the polyvinyl chloride–oligoether acrylate systems 3, 505
Kotova, Ye. V. *See* **Krasnikova, N. P., Dreval', V. Ye., Kotova, Ye. V., Plotnikova, Ye. P., Vinogradov, G. V., Belov, G. P. and Pel'tsbauer, Z.** 7, 1617
Kotrelev, G. V. *See* **Tverdokhlebova, I. I., Kotrelev, G. V., Tebenova, N. A., Larina, T. A., Pertsova, N. V. and Zhdanov, A. A.** 8, 2005
Koval'skii, A. F. *See* **Grishchenko, A. Ye., Afonin, S. N., Artem'ev, V. A., Myasnikov, G. D., Koval'skii, A. F. and Skazka, V. S.** 7, 1551
Kovarskii, A. L. *See* **Barashkova, I. I., Kovarskii, A. L. and Vasserman, A. M.** 1, 105
Kovyazin, V. A. *See* **Kopylov, V. M., Prikhod'ko, P. L. and Kovyazin, V. A.** 8, 1998

Kozel, S. P., Gotlib, Yu. Ya., Lashkov, G. I. and Shelekhov, N. S.: Intrachain luminescence quenching in solutions of anthacene-containing polymers based on polymethyl methacrylate 7, 1578
Kozlov, P. V. *See* **Pazukhina, L. Yu., Yarysheva, L. M., Stoches, R. N., Bakeyev, N. F. and Kozlov, P. V.** 8, 2040
Kozlov, P. V., *See* **Volynskii, A. L., Lukovkin, G. M., Yarysheva, L. M., Pazukhina, L. Yu., Kozlov, P. V. and Bakeyev, N. F.** 11, 2706
Kozlov, P. V. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Lukovkin, G. M., Volynskii, A. L., Bakeyev, N. F. and Kozlov, P. V.** 10, 2464
Kozlov, P. V. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Stoches, R. N., Zavarova, T. B., Bakeyev, N. F. and Kozlov, P. V.** 10, 2472
Kozlov, P. V. *See* **Yefimov, A. V., Bondarev, V. V., Kozlov, P. V. and Bakeyev, N. F.** 8, 1927
Krakovyak, M. G. *See* **Anufriyeva, Ye. V., Semisotnov, G. V., Krakovyak, M. G. and Lushchik, V. B.** 8, 1896
Krasikov, V. D. *See* **Nesterov, V. V., Krasikov, V. D., Chabarova, Ye. V. and Belen'kii, B. G.** 6, 1512
Krasner, L. V. *See* **Borisova, T. I., Krasner, L. V., Andrianova, L. S., Chernova, Zh. D. and Belenovskaya, G. P.** 10, 2369
Krasnikova, N. P., Dreval', V. Ye., Kotova, Ye. V., Plotnikova, Ye. P., Vinogradov, G. V., Belov, G. P. and Pel'tsbauer, Z.: The influence of viscosity and dispersion of incompatible polymers on fibre formation in their blends 7, 1617
Kristal'nyi, E. V. *See* **Basova, R. V., Nakhmanovich, B. I., Kristal'nyi, E. V. and Arest-Yakubovich, A. A.** 2, 388
Kristal'nyi, E. V. *See* **Arest-Yakubovich, A. A., Anosov, V. I., Basova, R. V., Zolotarev, V. L., Kristal'nyi, E. V., Makhortov, A. P. and Nakhmanovich, B. I.** 7, 1742
Kritskaya, D. A. and Ponomarev, A. N.: Kinetics of radiation polymerization of tetrafluoroethylene adsorbed on silica gel at 196°K 2, 279
Kritskaya, D. A. *See* **Grigor'ev, Yu. N., Savost'yanov, V. S., Kritskaya, D. A., Ponomarev, A. N. and Zagorets, P. A.** 8, 2015
Kritskaya, D. A. *See* **Pilyugin, V. V., Kritskaya, D. A. and Ponomarev, A. N.** 2, 300
Krivobokov, V. V. *See* **Ganicheva, S. I., Belyayev, V. M., Krivobokov, V. V., Kallistov, O. V. and Frenkel', S. Ya.** 7, 1734
Krivoshei, V. N. *See* **Chalykh, A. Ye. and Krivoshei, V. N.** 8, 1865
Kronman, A. G. *See* **Margulis, P. M., Ovchinnikov, Yu. V., Lebedev, V. P., Shlykova, M. N. and Kronman, A. G.** 4, 816
Kropacheva, Ye. N. *See* **Myagkova, L. A. and Kropacheva, Ye. N.** 10, 2457
Kruglova, N. A. *See* **Mosalova, L. F., Kruglova, N. A., Savinova, I. V., Vorontsov, Ye. D. and Yevdakov, V. P.** 1, 205
Krul', L. P., Matusevich, P. A., Skorobogatskaya, L. I. and Tatarinov, B. A.: Thermal polymerization of *p*-benzoquinone in the presence of polycaproamide 3, 641
Krul', L. P. *See* **Nizovtseva, O. P., Shunkevich, A. A., Zonov, Yu. G., Krul', L. P. and Soldatov, V. S.** 8, 1797
Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S. and Yenikolopyan, N. S.: Physico-mechanical properties of polymers subjected to the simultaneous action of high pressure and shear deformation 1, 211
Kryukova, G. N. *See* **Bukatov, G. D., Zaikovskii, V. I., Zakharov, V. A., Kryukova, G. N., Fenelonov, V. B. and Zagrafskaya, R. V.** 3, 599
Kuchanov, S. I. and Povolotskaya, Ye. S.: Calculation of molecular weight distribu-

tion of products of non-equilibrium polycondensation, considering the "substitution effect" 10, 2499
Kuchanov, S. I. and **Povolotskaya, Ye. S.**: Calculation of the gel-point for non-equilibrium polycondensation taking into account the "substitution effect" 10, 2512
Kuchanov, S. I., Korolev, S. V. and **Slin'ko, M. G.**: Consideration of cyclization in the theory of equilibrium branched polycondensation 10, 2477
Kuchanov, S. I. *See* **Korolev, S. V.** and **Kuchanov, S. I.** 3, 709
Kuchanov, S. I. *See* **Korolev, S. V.** and **Kuchanov, S. I.** 3, 720
Kuchanov, S. I. *See* **Korolev, S. V., Kuchanov, S. I.** and **Slin'ko, M. G.** 10, 2489
Kudryavtsev, G. I. *See* **Korshak, V. V., Berestneva, G. I., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okromchelidze, N. P.** and **Kudryavtsev, G. I.** 1, 41
Kudryavtsev, G. I. *See* **Shalblygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhina, A. V., Tokarev, A. V.** and **Kudryavtsev, G. I.** 6, 1388
Kudryavtsev, G. I. *See* **Shablygin, M. V., Nikitina, O. A., Belousova, T. A.** and **Kudrayvtsev, G. I.** 5, 1109
Kudryavtsev, Val. N and **Kabanov, V. Ya.**: Radiation-induced low-temperature cationic graft polymerization of vinyl-n-butyl ether to polyvinyl chloride in the glass transition 2, 440
Kudryavtsev, V. V. *See* **Koton, M. M., Meleshko, T. K., Kudryavtsev, V. V., Nechayev, P. P., Kamzolkina, Ye. V.** and **Bogorad, N. N.** 4, 791
Kudryavtsev, V. V. *See* **Smirnova, V. Ye., Bessonov, M. I., Zhukova, T. I., Koton, M. M., Kudryavtsev, V. V., Sklizkova, V. P.** and **Lebedev, G. A.** 6, 1375
Kukarkina, N. V. *See* **Artem'eva, V. N., Koton, M. M., Kukarkina, N. V., Zhukova, T. I., Kalnin'sh, K. K., Lyubimova, G. V.** and **Shadrin, V. N.** 4, 782
Kulagina, T. G., Lebedev, B. V., Kiparisova, Ye. G., Lyudvig, Ye. B. and **Barskaya, I. G.**: Thermodynamics of *dl*-lactide, polylactide and polymerization of *dl*-lactide in the range of 0–430 K 7, 1702
Kulagina, T. G. *See* **Lebedev, B. V., Kulagina, T. G., Lyudvig, Ye. B.** and **Ovchinnikova, T. N.** 7, 1695
Kulagina, T. G. *See* **Yevstropov, A. A., Lebedev, B. V., Kulagina, T. G.** and **Lebedev, N. K.** 3, 628
Kulakov, V. V. *See* **Zhorin, V. A., Kulakov, V. V., Mironov, N. A., Nikol'skii, V. G, Chebotarevskii, A. F.** and **Yenikolopyan, N. S.** 5, 1081
Kuleznev, V. N. *See* **Brukh, A., Vlasov, S. V., Kuleznev, V. N.** and **Tyulina, R. M.** 5, 1056
Kulichikhin, S. G., Ivanova, S. L., Korchagina, M. A. and **Malkin, A. Ya.**: Use of activators in indirect action for controlling the rate of anionic polymerization of dodecalactam 2, 473
Kulichikhin, V. G. *See* **Kulichikhina, T. A., Platonov, V. A., Vasil'eva, V. G., Kalmykova, V. D., Volokhina, A. V.** and **Papkov, S. P.** 5, 1085
Kulichikhina, T. A., Platonov, V. A., Vasil'eva, N. V., Kogan, Ye. G., Kulichikhin, V. G., Kalmykova, V. D., Volokhina, A. V. and **Papkov, S. P.**: The phase condition and viscous properties of sulphuric acid solutions of polymers and copolymers based on *p*-phenylene amides 5, 1085
Kulik, S. G. *See* **Trostyanskaya, Ye. B., Babayevskii, P. G., Kulik, S. G., Babayevskaya, I. Ya.** and **Matveyev, V. V.** 7, 1655
Kulikova, A. Ya. *See* **Smirnova, K. N., Zavarova, T. B., Lebedev, V. P., Shevchuk, L. M., Batuyeva, L. I.** and **Kulikova, A. Ye.** 4, 824
Kul'velis, Yu. I. *See* **Belen'kaya, B. G., Lyudvig, Ye. B., Izyumnikov, A. L.** and **Kul'velis, Yu. I.** 2, 306

Kurbanaliyev, M. K., Dustov, I. K. and Malkin, A. Ya.: Influence of the prehistory of formation of films from solutions on their langevity **11,** 2626
Kurbanaliev, M. K. *See* **Vinogradov, G. V., Kurbanaliev, M. K., Dreval', V. Ye. and Borisenkova, Ye. K.** **1,** 90
Kurbatov, V. A.: Thermal polymerization of styrene and its inhibition. Kinetics and mechanism. Review **7,** 1527
Kurenbin, O. I. *See* **Nefedov, P. P., Kurenbin, O. I., Zhmakina, T. P., Lazareva, M. A. and Belen'kii, B. G.** **8,** 2024
Kurenkov, V. F. *See* **Myagchenkov, V. A., Kurenkov, V. F. and Akhmed'yanova, R. A.** **3,** 732
Kuritsyn, L. V. *See* **Sokolov, L. B., Kuritsyn, L. V., Fedotov, Yu. A. and Bobko L. A.** **3,** 673
Kurov, G. N. *See* **Gorshkov, A. G., Turchaninov, V. K., Svyatkina, L. I., Kurov, G. N. and Skvortsova, G. G.** **6,** 1274
Kurzayav, A. G., Karapetyan, Z. L. and Marchenko, A. P.: Possibilities of gel-penetration chromatography as an absolute method of determining the parameters of the molecular weight distribution of polymethylmethacrylates **10,** 2400
Kurzin, S. P., Tarasov, B. F., Fatkullin, N. F. and Aseyeva, R. M.: The electron spin-lattice relaxation in pyrolyzed poly-2-methyl-5-ethylpyridine **1,** 134
Kushch, P. P., Komarov, B. A. and Rozenberg, B. A.: Conversion of the reactive polymerization centres in glycidyl ether by tertiary amines **2,** 335
Kusov, A. A. *See* **Vettegren', V. I., Kusov, A. A., Korzhavin, L. N. and Frenkel', S. Ya.** **9,** 2241
Kutepov, D. F. *See* **Badamshina, E. R., Timofeyeva, G. I., Korshak, Yu. V., Berlin, Al. Al., Vdovin, V. M., Kutepov, D. F. and Pavlova, S.-S. A.** **1,** 164
Kutepov, D. F. *See* **Maslov, V. A., Grozdov, A. G. and Kutepov, D. F.** **8,** 2034
Kuzavkov, A. I. *See* **Yegorenkov, N. I., Kuzavkov, A. I. and Doktorova, V. A.** **12,** 2840
Kuzayev, A. I. and Ol'khova, O. M.: Gel-permeation chromatography of epichlorohydrin oligomers **10,** 2520
Kuzayev, A. I., Pomogailo, A. D. and Mambetov, U. A.: Concerning the degradation of polyoxyethylene fragments of oxyethylated compounds during complex-formation with transition metal compounds **6,** 1351
Kuzayev, A. I. *See* **Barzykina, R. A., Radugin, V. S., Kuzayev, A. I. and Estrin, Ya. I.** **7,** 1636
Kuzayev, A. I. *See* **Vokina, O. G., Tsarik, L. Ye., Kalabina, A. V. and Kuzayev, A. I.** **7,** 1563
Kuzayev, A. I. *See* **Volkov, V. P., Naidovskii, Ye. S., Komarova, B. A., Kuzayev, A. I. and Rozenberg, B. A.** **12,** 2895
Kuz'min, I. B. *See* **Shiryayeva, G. V., Puchkova, V. V., Faizi, N. Kh., Kuz'min, I. B. and Klinshpont, E. R.** **3,** 556
Kuz'minskii, A. S. *See* **Rebrov, A. V., Ovchinnikov, Yu. K., Kuz'minskii, A. S. and Bakeyev, N. F.** **9,** 2215
Kuznetsov, A. K. *See* **Mizerovskii, L. N., Kuznetsov, A. K., Bazarov, Yu. M. and Bykov, A. N.** **6,** 1319
Kuznetsov, V. A. *See* **Livshits, V. A., Kuznetsov, V. A., Barashkova, I. I. and Vasserman, A. M.** **5,** 1227
Kuznetsov, Yu. A. *See* **Pimenov, G. G., Makbakov, A. I., Oreshnikova, V. M., Mikheleva, N. V., Marchenko, G. I., Kuznetsov, Yu. A. and Kapitonova, N. A.** **6,** 1335
Kuznetsova, N. N. *See* **Rubene, M. Kh., Papukova, K. P. and Kuznetsova, N. N.** **3,** 661
Kuznetsova, T. A. *See* **Ivanchev, S. S., Podosenova, N. G., Konovalenko, V. V., Kuznetsova, T. A., Zolikov, E. G. and Budtov, V. P.** **1,** 98
Kvachev, Yu. P. *See* **Levin, V. Yu., Zhdanov, A. A., Slonimskii, G. L., Martirosov, V. A., Kvachev, Yu. P., Golubkov, G. Ye. and Gritsenko, O. T.** **10,** 2422

Lachinov, M. B., Korolev, B. A., Dreval', V. Ye., Cherep, Ye. I., Zubov, V. P., Vinogradov, G. V. and **Kabanov, V. A.**: Relation of auto-acceleration in radical polymerization of methyl methacrylate in bulk with structural changes of the polymerizing system — **10,** 2547

Lagunov, V. M., Golikov, I. V. and **Korolev, G. V.**: The detection and study of the localized (selective) inhibition effect in the radical-initiated three-dimensional polymerization of triethylene glycol dimethacrylate — **1,** 149

Laius, L. A., Degracheva, Ye. N. and **Bessonov, M. I.**: Dynamic heat ageint—a rapid method of evaluating the heat stability of polymers according to the variation of mechanical properties — **6,** 1508

Laius, L. A. *See* **Tsapovetskii, M. I.** and **Laius, L. A.** — **5,** 1103

Lalayan, S. S. *See* **Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S.** and **Yenikolopyan, N. S.** — **1,** 211

Lantsov, V. M. *See* **Derinovskiii, V. S., Zakirov, I. N., Lantsov, V. M., Volkov, V. P.** and **Rozenberg, B. A.** — **11,** 2747

Lapshova, A. A. *See* **Dontsov, A. A., Tarasova, G. I.** and **Lapshova, A. A.** — **9,** 2166

Larina, T. A. *See* **Tverdokhlebova, I. I., Kotrelev, G. V., Tebenova, N. A., Larina, T. A., Pertsova, N. V.** and **Zhdanov, A. A.** — **8,** 2005

Lashkov, G. I. *See* **Kozel, S . P., Gotlib, Yu. Ya., Lashkov, G. I.** and **Shelekhov, N. S.** — **7,** 1578

Laskorin, B. N. *See* **Radzyavichyus, K. I., Shatayeva, L. K., Samsonov, G. V., Zhukova, N. G., Zorina, A. I.** and **Laskorin, B. N.** — **5,** 1205

Laskovenko, N. N., Smetankina, N. P., Dobrovol'skaya, A. N. and **Zapunnaya, K. V.**: Relative reactivity of organosilicon oligomers with terminal isocyanate groups in reactions with hydroxyl-containing compounds — **4,** 769

Lavrenko, P. N. *See* **Pogodina, N. V., Lavrenko, P. N., Pozhivilko, K. S., Mel'nikov, A. B., Kolobova, T. A., Marchenko, G. N.** and **Tsvetkov, V. N.** — **2,** 358

Lavrenko, P. N. *See* **Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A.** and **Malichenko, B. F.** — **11,** 2689

Lavrent'ev, V. V. *See* **Remizov, N. A., Chalykh, A. Ye., Popov, V. Ya.** and **Lavrent'ev V. V.** — **8,** 1853

Lazareva, M. A. *See* **Nefedov, P. P., Kutenbin, O. I., Zhmakina, T. P., Lazareva, M. A.** and **Belen'kii, B. G.** — **8,** 2024

Lebedev, B. V., Kulagina, T. G., Lyudvig, Ye. B. and **Ovchinnikova, T. N.**: Calorimetric study of ethylene oxalate, polyethylene oxalate and parameters of the polymerization of ethylene oxalate in the range 8–450 K — **7,** 1695

Lebedev, B. V. *See* **Kulagina, T. G., Lebedev, B. V., Kiparisova, Ye. G., Lyudvig, Ye. B.** and **Barskaya, I. G.** — **7,** 1702

Lebedev, B. V. *See* **Yevstropov, A. A., Lebedev, B. V., Kulagina, T. G.** and **Lebedev, N. K.** — **3,** 628

Lebedev, G. A. *See* **Smirnova, V. Ye., Bessonov, M. I., Zhukova, T. I., Koton, M. M., Kudryavtsev, V. V., Sklizkova, V. P.** and **Lebedev, G. A.** — **6,** 1375

Lebedev, N. K. *See* **Yevstropov, A. A., Lebedev, B. V., Kulagina, T. G.** and **Lebedev, N. K.** — **3,** 628

Lebedev, V. P. *See* **Margulis, P. M., Ovchinnikov, Yu. V., Lebedev, V. P., Shlykova, M. N.** and **Kronman, A. G.** — **4,** 816

Lebedev, V. P. *See* **Pichugina, S. V., Lebedev, V. P., Samarskaya, N. I., Batuyeva, L. I., Razinskaya, I. N.** and **Slutsker, A. I.** — **6,** 1261

Lebedev, V. P. *See* **Smirnova, K. N., Zavarova, T. B., Lebedev, V. P., Shevchuk, L. M., Batuyeva, L. I.** and **Kulikova, A. Ye.** — **4,** 824

Lebedkina, O. K. *See* **Zytner, Ya. S., Makarov, K. A. and Lebedkina, O. K.** 5, 1060
Ledneva, O. A., Pariiskii, G. B., Trezov, V. V. and Toptygin, D. A.: ESR analysis of the thermal and thermooxidative degradation of polyamidoimide films 2, 393
Lemasov, A. I. *See* **Khardin, A. P., Tuzhikov, O. I. and Lemasov, A. I.** 9, 2115
Levin, Ya. A., Tridman, G. B., Gurskaya, V. Sh., Gazizova, L. Kh., Shulyndin, S. V. and Ivanov, B. Ye.: The radical copolymerization of α-substituted vinyl phosphonates 3, 667
Levin, V. Yu., Zhdanov, A. A., Slonimskii, G. L., Martirosov, V. A., Kvachev, Yu. P., Golubkov, G. Ye. and Gritsenko, O. T.: Study of molecular mobility in filled and unfilled crossslinked organosilicon rubbers 10, 2422
Lezov, A. V. *See* **Tsvetkov, V. N., Kolomiets, I. P., Lezov, A. V. and Stepanov, A. S.** 4, 978
Likhterov, V. R. *See* **Razinskaya, I. N., Sumenkov, K. F., Plaskina, N. L., Likhterov, V. R. and Shtarkman, B. P.** 4, 971
Liogon'kii, B. I. *See* **Regimov, A. V., Ragimov, I. I., Mamedov, B. A., Guseinov, S. A. and Liogon'kii, B. I.** 10, 2434
Lipanov, A. M. *See* **Kodolov, V. I., Lyavkhovich, A. M., Tyurin, S. A., Shabanova, I. N., Lipanov, A. M. and Trapeznikov, V. A.** 4, 855
Lipatov, Yu. S., Karabanova, L. V., Sergeyeva, L. M. and Gorichko, E. Ya.: Sorption and diffusion study of mutually penetrating networks based on polyurethane and its ionomer 1, 126
Lipatov, Yu. S., Nesterov, A. Ye., Ignatova, T. D., Shumskii, V. F. and Gorbatenko, A. N.: The thermodynamic and rheological properties of polymer melt mixtures 3, 607
Lipatov, Yu. S. *See* **Fabulyak, F. G., Noyenko, V. G. and Lipatov, Yu. S.** 8, 1859
Lisitskii, V. V., Yanborisov, V. M., Berlin, Al. Al. and Minsker, K. S.: Analysis of the content and distribution of the double bonds for vinyl chloride homo- and copolymers with a different molecular mass distribution 5, 1047
Lisitskii, V. V. *See* **Minsker, K. S., Lisitskii, V. V. and Davydenko, N. V.** 6, 1299
Lisitsyn, D. M. *See* **Aladyshev, A. M., Lisitsyn, D. M. and D'yachkovskii, F. S.** 2, 412
Litmanovich, A. A. *See* **Baranovskii, V. Yu., Kazarin, L. A., Litmanovich, A. A., Papisov, I. M. and Kabanov, V. A.** 7, 1683
Litvinova, L. F. *See* **Ivanilova, O. T., Korshak, V. V., Gashnikova, N. P., Litvinova, L. F., Yelinek, V. I. and Chuchin, A. Ye.** 2, 423
Livshits, V. A., Kuznetsov, V. A., Barashkova, I. I. and Vasserman, A. M.: "Superslow" rotations of spin probes in solid polymers 5, 1227
Livshits, R. M. *See* **Yushchenko, T. S., Uvarov, A. V. and Livshits, R. M.** 9, 2287
Lomakin, G. S. *See* **Minsker, K. S., Ponomarev, O. A., Karpasas, M. M. and Lomakin, G. S.** 7, 1542
Lomakin, S. M., Aseyeva, R. M., Shashkova, V. T., Kefeli, T. Ya. and Zaikov, G. Ye.: Study of the kinetics and thermodynamics of thermal breakdown of reticular polymers of dimethacrylic esters of n-alkylene glycols 10, 2378
Lopatinskii, V. P. *See* **Sutyagin, V. M., Lopatinskii, V. P. and Filimonov, V. D.** 9, 2252
Lopyrev, V. A. *See* **Tatarova, L. A., Yermakova, T. G., Berlin, Al. Al., Rozvodovskii, Ye. F., Lopyrev, V. A., Kedrina, N. F. and Yenikolopyan, N. S.** 10, 2529
Lukasov, S. V. *See* **Nadezhdin, Yu. S., Stadnik, V. P., Lukasov, S. V. and Sidorovich, A. V.** 12, 2953
Lukin, N. Yu. *See* **Plate, N. A., Postnikov, V. A., Lukin, N. Yu., Eismont, M. Yu. and Grudkova, G.** 11, 2668
Lukovkin, G. M. *See* **Volynskii, A. L., Lukovkin, G. M., Yarysheva, L. M., Pazukhina, L. Yu., Kozlov, P. V. and Bakeyev, B. F.** 11, 2706

Lukovkin, G. M. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Lukovkin, G. M., Volynskii, A. L., Bakeyev, N. F.** and **Kozlov, P. V.** 10, 2464
Lushchik, V. B. *See* **Anufriyeva, Ye. V., Semisotnov, G. V., Krakovyak, M. G.** and **Lushchik, V. B.** 8, 2896
L'vov, Yu. A., Senderskaya, Ye. Ye. and **Balasheva, N. F.**: Mechanism of degradation of *cis*-1,4-polyisoprene in conditions of inhibited oxidation 12, 2859
Lyakhovich, A. M. *See* **Kodolov, V. I., Lyakhovich, A. M., Tyurin, S. A., Shabanova, I. N., Lipanov, A. M.** and **Trapeznikov, V. A.** 4, 855
Lykin, A. S. *See* **Anifimova, E. A., Lykin, A. S.** and **Anifimov, B. N.** 2, 455
Lykov, A. D., Mashlyakovskii, L. N., Repkin, V. Yu. and **Okhrimenko, I. S.**: The synthesis, structure and properties of 3,4-dichloro-1,3-butadiene-2-phosphonate polymers 6, 1414
Lysenko, Ye. B. *See* **Andreyeva, L. N., Bushin, S. V., Mashoshin, A. I., Lysenko, Ye. B., Smirnov, K. P., Yemal'yanov, V. N.** and **Tsvetkov, V. N.** 10, 2405
Lyubchenko, N. P. *See* **Zhubanov, B. A.** and **Lyubchenko, N. P.** 7, 1677
Lyubimova, G. V. *See* **Artem'eva, V. N., Koton, M. M., Kukarkina, N. V., Zhukova, T. I., Kalnin'sh, K. K., Lyubimova, G. V.** and **Shadrin, V. N.** 4, 782
Lyubimova, G. V. *See* **Kalnin'sh, K. K.** and **Lyubimova, G. V.** 7, 1643
Lyudvig, Ye. B. *See* **Belen'kaya, B. G., Lyudvig, Ye. B., Izyumnikov, A. L.** and **Kul'velis, Yu. I.** 2, 306
Lyudvig, Ye. B. *See* **Kulagina, T. G., Lebedev, B. V., Kiparisova, Ye. G., Lyudvig, Ye. B.** and **Barskaya, I. G.** 7, 1702
Lyudvig, Ye. B. *See* **Lebedev, B. V., Kulagina, T. G., Lyudvig, Ye. B.** and **Ovchinnikova, T. N.** 7, 1695

Magarik, S. Ya. and **Timofeyeva, G. E.**: Effect of solvent on dynamic birefringence of polymer solutions 5, 1258
Magomedova, T. V. *See* **Slobodetskaya, Ye. M., Magomedova, T. V., Karpukhin, O. N.** and **Protasov, V. G.** 2, 257
Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I. and **Nefedova, G. Z.**: Influence of the concentration of the crosslinking agent on the mechanical properties of ionite membrane based on a fluoroplastic and the copolymer of 2,5-methylvinylpyridine and divinylbenzene 11, 2718
Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I., Kamenskii, A. N. and **Nefedova, G. Z.**: Study of the structure and deformation properties of films from compositions of a fluoropolymer and copolymer of 2,5-methylvinylpyridine and divinylbenzene 4, 915
Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and **Toptygin, D. Ya.**: Formation of nitroxyl radicals during polyamide transformations initiated by peroxides 3, 686
Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and **Toptygin, D. Ya.**: Macroscopic stages of peroxide initiator conversions in polyamides 6, 1407
Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and **Toptygin, D. Ya.**: Mechanism of reactions initiated by thermal decomposition of benzoyl peroxide in polyamide 12, 2991
Makarov, K. A. *See* **Zytner, Ya. D., Makarov, K. A.** and **Lebedkina, O. K.** 5, 1060
Makarova, Z. G. *See* **Zhulin, V. M., Makarova, Z. G., Klimentova, N. V., Suprun, A. N., Akopyan, A. N.** and **Shakhovskoi, G. P.** 12, 3015

Makarskii, V. V. *See* Panuntseva, T. B., Stotskii, A. A., Mirskova, A. N., Prokopovich, N. N., Makarskii, V. V. and Voronkov, M. V. 1, 22
Makhortov, A. P. *See* Arest-Yakubovich, A. A., Anosov, V. I., Basova, R. V., Zolotarev, V. L., Kristal'nyi, L. V., Makhortov, A. P. and Nakhmanovich, B. I. 7, 1742
Maklakov, A. I. *See* Azancheyev, N. M. and Maklakov, A. I. 12, 3024
Maklakov, A. I. *See* Bashkirov, B. Sh. and Maklakov, A. I. 4, 849
Maklakov, A. I. *See* Pimenov, G. G., Maklakov, A. I., Oreshnikov, V. M., Mikheleva, N. V., Marchenko, G. I., Kuznetsov, Yu. A. and Kapitonova, N. A. 6, 1335
Makogon, B. P. and Vavrukh, A. T.: Method of determining hydration numbers of polymers in solution 12, 3034
Malichenko, B. F. *See* Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A. and Malichenko, B. F. 11, 2689
Malinin, L. N. *See* Fridman, O. A., Naimark, N. I., Malinin, L. N. and Vladimirov, Yu. I. 3, 565
Malinovskaya, V. P. *See* Burshtein, L. L., Malinovskaya, V. P., Stepanova, T. P., Milovskaya, Ye. B. and Zamoiskaya, L. V. 4, 873
Malkin, A. Ya. *See* Kulichikhin, S. G., Ivanova, S. L., Korchagina, M. A. and Malkin, A. Ya. 2, 473
Malkin, A. Ye. *See* Kurbanaliyev, M. K., Dustov, I. K. and Malkin, A. Ya. 11, 2626
Mal'ko, Y. I. *See* Vinogradova, Ye. L., Mal'ko, Y. I., Dumpis, Yu. Ya. and Tager, A. A. 10, 2452
Maloshitskii, A. S. *See* Byrikkin, V. S., Maloshitskii, A. S., Murachev, V. B., Yezhova, Ye. A. and Pravednikov, A. N. 9, 2272
Mal'tsev, S. D. *See* Arsenov, V. D., Mal'tsev, S. D., Marevtsev, V. S., Cherkashin, M. I., Frei dzon, Ya. S., Shibayev, V. P. and Plate, N. A. 11, 2635
Malysheva, L I., D'yachkov, A. I., Ovchinnikova, Yu. I., Chuvilin, V. B. and Zubov, V. P. 7, 1749
Mambetov, U. A. *See* Kuzayev, A. I., Pomogailo, A. D. and Mambetov, U. A. 6, 1351
Mamedov, B. A. *See* Ragimov, A. V., Ragimov, I. I., Mamedov, B. A., Guseinov, S. A. and Liogon'kii, B. I. 10, 2434
Marasanova, N. N. *See* Ikonitskii, I. V., Sokolova, S. G., Gorin, Yu. A., Marasanova, N. N. and Ventseslavskaya, K. K. 7, 1688
Marchenko, A. P. *See* Kurzayev, A. G., Karapetyan, Z. L. and Marchenko, A. P. 10, 2400
Marchenko, G. I. *See* Pimenov, G. G., Maklakov, A. I., Oreshnikov, V. M., Mikheleva, N. V., Marchenko, G. I., Kuznetsov, Yu. A. and Kapitonova, N. A. 6, 1335
Marchenko, G. N. *See* Pogodina, N. V., Lavrenko, P. N., Pozhivilko, K. S., Mel'nikov, A. B., Kolobova, T. A., Marchenko, G. N. and Tsvetkov, V. N. 2, 358
Marevtsev, V. S. *See* Arsenov, V. D., Mal'tsev, S. D., Marevtsev, V. S., Cherkashin, M. I., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A. 11, 2635
Margulis, P. M., Ovchinnikov, Yu. V., Lebedev, V. P., Shlykova, M. N. and Kronman, A. G.: Effect of polymer structure and the nature and concentration of the plasticizer on the formation of defects in plasticized polyvinylchloride and vinylchloride copolymers 4, 816
Markevich, M. A., Berlin, Al. Al., Oshmyan, V. G., Sakhonenko, L. S., Novikov, D. D. and Vladimirov, L. V.: Study of the formation of branched diane epoxide oligomers at advanced stages of synthesis 8, 1979
Markin, V. S. *See* Razumovskii, L. P., Markin, V. S. and Zaikov, G. Ye. 8, 1960
Markova, G. D. *See* Korshak, V. V., Markova, G. D., Slonim, I. Ya., Vasnev, V. A., Vinogradova, S. V., Urman, Ya. G. and Bulai, A. Kh. 6, 1437

Martirosov, V. A. *See* **Levin, V. Yu., Zhdanov, A. A., Slonimskii, G. L., Martirosov, V. A., Kvachev, Yu. P., Golubkov, G. Ye.** and **Gritsenko, O. T.** 10, 2422
Martuscelli, E. *See* **Popov, A. A., Zaikov, G. Ye., Pracella, M.** and **Martuscelli, E.** 11, 2754
Mashlyakovskii, L. N., Berezina, G. G., Shtengel', K. Kh. and **Okhrimenko, I. S.:** Synthesis and properties of polymers of haloidaromatic esters of 2-methyl-1,3-butadienylphosphonic acid 4, 930
Mashlyakovskii, L. N. *See* **Lykov, A. D., Mashlyakovskii, L. N., Repkin, V. Yu.** and **Okhrimenko, I. S.** 6, 1414
Mashoshin, A. I. *See* **Andreyeva, L. N., Bushin, S. V., Mashoshin, A. I., Lysenko, Ye. B., Smirnov, K. P., Yemel'yanov, V. N.** and **Tsvetkov, V. N.** 10, 2405
Mashutina, G. G. *See* **Damayeva, A. D., Mashutina, G. G.** and **Kirichenko, E. A.** 8, 1920
Maslov, V. A., Grozdov, A. G. and **Kutepov, D. F.:** Methods of determining the composition of low-molecular weight epoxide diane resins 8, 2034
Maslova, V. A., *See* **Rabinovich, I. B., Maslova, V. A., Faminskaya, L. A., Gur'eva, S. V., Bespalov, Yu. A.** and **Fedotov, B. G.** 4, 841
Masterova, M. N. *See* **Gridchin, S. A., Shatalov, G. V., Masterova, M. N., Mikhant'ev, B. I.** and **Zubov, V. P.** 2, 286
Matsibora, N. P. *See* **Goikhman, A. Sh., Kirichenko, V. I., Demchenko, S. S., Matsibora, N. P.** and **Privalko, V. P.** 1, 49
Matusevich, P. A. *See* **Krul', L. P., Matusevich, P. A., Skorobogatskaya, L. I.** and **Tatarinov, B. A.** 3, 641
Matveyev, Yu. I. and **Askadskii, A. A.:** Relaxation time spectra of polymers in the range of low deformations 6, 1468
Matveyev, V. V. *See* **Trostyanskaya, Ye. B., Babayevskii, P. G., Kulik, S. G., Babayevskaya, I. Ya.** and **Matveyev, V. V.** 7, 1655
Matyushov, V. F., Dronov, S. V. and **Vorona, V. V.:** Structure of oligourethane urea-acrylates 12, 2882
Medvedeva, F. M. *See* **Bulai, A. Kh., Urman, Ya. G., Medvedeva, F. M., Slonim, I. Ya.** and **Pin, L. D.** 9, 2149
Mekenitskaya, L. I. *See* **Kosheleva, I. M., Mekenitskaya, L. I., Sokolova, V. L.** and **Stefanovskaya, N. N.** 5, 1237
Meleshko, T. K. *See* **Koton, M. M., Meleshko, T. K., Kudryavtsev, V. V., Nechayev, P. P., Kamzolkina, Ye. V.** and **Bogorad, N. N.** 4, 791
Mel'nikov, A. B. *See* **Pogodina, N. V., Lavrenko, P. N., Pozhivilko, K. S., Mel'nikov, A. B., Kolobova, T. A., Marchenko, G. N.** and **Tsvetkov, V. N.** 2, 358
Meshkova, I. N. *See* **Dubnikova, I. L., Meshkova, I. N.** and **D'yachkovskii, F. S.** 10, 2392
Mezhikovskii, S. M. *See* **Kotova, A. V., Chalykh, A. Ye., Avdeyev, N. N.** and **Mezhikovskii, S. M.** 3, 503
Mikhant'ev, B. I. *See* **Gridchin, S. A., Shatalov, G. V., Masterova, M. N., Mikhant'ev, B. I.** and **Zubov, V. P.** 2, 286
Mikheleva, N. V. *See* **Pimenov, G. G., Maklakov, A. I., Oreshnikov, V. M., Mikheleva, N. V., Marchenko, G. I., Kuznetsov, Yu. A.** and **Kapitonova, N. A.** 6, 1335
Mikheyev, Ye. A., Rogova, L. S., Guseva, L. N. and **Toptygin, D. Ya.:** Nature of the breakdown of mechanically loaded triacetylcellulose initiated by benzoyl peroxide 5, 1176
Mikheyev, Yu. A. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M.** and **Toptygin, D. Ya.** 12, 2991
Mikheyev, Yu. A. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M.** and **Toptygin, D. Ya.** 3, 686

Mikheyev, Yu. A. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M.** and **Toptygin, D. Ya.** 6, 1407
Mikitayev, A. K., Korshak, V. V. and **Shustov, G. B.**: The synthesis and properties of halogen-containing polyarylatesulphone block copolymers 12, 2941
Mikitayev, A. K. *See* **Shelgayev, V. N., Shabayev, A. S.** and **Mikitayev, A. K.** 11, 2654
Mikitayeva, N. K. *See* **Zadorina, Ye. N., Vishnevskii, G. Ye., Isayev, K. S., Sakunenko, Yu. I., Mikitayeva, N. K.** and **Zelenev, Yu. V.** 5, 1067
Mileshkevich, V. P. and **Baratova, T. N.**: The polymerization of pentamethyl (ethoxy) cyclotrisiloxane 5, 1096
Mileshkevich, V. P. *See* **Baratova, T. N., Mileshkevich, V. P.** and **Gurai, V. I.** 1, 27
Miller, V. B. *See* **Roginskii, V. A., Shanina, Ye. L.** and **Miller, V. B.** 1, 217
Miller, V. B. *See* **Roginskii, V. A., Shanina, Ye. L., Yarkov, S. P.** and **Miller, V. B.** 6, 1402
Milovskaya, Ye. B. *See* **Burshtein, L. L., Malinovskaya, V. P., Stepanova, T. P., Milovskaya, Ye. B.** and **Zamoiskaya, L. V.** 4, 873
Minkin, V. S. *See* **Averko-Antonovich, Yu. O.** and **Minkin, V. S.** 5, 1170
Minsker, K. S., Kolesov, S. V. and **Ivanova, S. R.**: The stabilization of polyvinyl chloride by epoxides in the presence of salts of coordinatively unsaturated metals 11, 2671
Minsker, K. S., Kolesov, S. V. and **Petrov, V. V.**: Effect of conjugated dienes on crosslinking of polyvinylchloride 11, 2808
Minsker, K. S., Kolesov, S. V., Petrov, V. V. and **Berlin, Al. Al.**: Stabilization of polyvinyl chloride by conjugated dienes 4, 854
Minsker, K. S., Lisitskii, V. V. and **Davydenko, N. V.**: Effect of adjacent units during thermal degradation of copolymers of vinyl chloride with vinyl acetate 6, 1299
Minsker, K. S., Ponomarev, O. A., Karpasas, M. M. and **Lomakin, G. S.**: Structure of active polymerization centres of dienes on Ziegler–Natta catalysts 7, 1542
Minsker, K. S., Yel'yashevich, A. M., Yanborisov, V. M. and **Sangalov, Yu. A.**: Study of the interaction of components of heterogeneous Ziegler–Natta catalysts, using the Monte Carlo method 12, 2985
Minsker, K. S. *See* **Lisitskii, V. V., Yanborisov, Y. M., Berlin, Al. Al.** and **Minsker, K. S.** 5, 1047
Mironov, N. A. *See* **Zhorin, V. A., Kulakov, V. V., Mironov, N. A., Nikol'skii, V. G., Chebotarevskii, A. E.** and **Yenikolopyan, N. S.** 5, 1081
Miroshnichenko, A. A.: A study of the parameters of the elementary thermodynamic units of macromolecules of heterochain polymers in melts 11, 2678
Miroshnikov, Yu. P. and **Williams, H. L.**: Disperse structure and mechanical properties of extruded polypropylene–polystyrene blends 8, 1825
Miroshnikov, Yu. P. and **Williams, H. L.**: Morphology of extruded polypropylene–polystyrene blends 8, 1811
Mirskova, A. N. *See* **Panuntseva, T. B., Stotskii, A. A., Mirskova, A. V., Prokopovich, N. N., Makarskii, V. V.** and **Voronkov, M. G.** 1, 22
Mizerovskii, L. N., Kuznetsov, A. K., Bazarov, Yu. M. and **Bykov, A. N.**: Equilibrium in the system polycaproamide–caprolactam–water below the melting point of the polymer 6, 1319
Moiseyev, Yu. V. *See* **Voronkova, O. S., Daurova, T. T., Moiseyev, Yu. V.** and **Gumargalieva, K. Z.** 7, 1604
Molochnikov, L. S. *See* **Vishnevskaya, G. P., Molochnikov, L. S., Safin, R. Sh.** and **Balakin, S. M.** 3, 678
Molotkova, N. N. *See* **Pshenitsyna, V. P., Molotkova, N. N., Pukhovitskaya, A. N., Smirnova, L. N., Nikishina, E. I.** and **Potekhina, Ye. S.** 8, 1974
Mosalova, L. F., Kruglova, N. A., Savinova, I. V., Vorontsov, Ye. D. and **Yevdakov,**

V. P.: Spectrophotometric titration in the IR region of 2-methyl-5-vinyl pyridine–acrylic acid copolymers **1,** 205

Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A. and **Pravednikov, A. N.:** On anomalies in the dependence of the electrical conductivity of polymeric ion-radical salts of 7,7,8,8-tetracyanoquinodimethane on aliphatic ionene polycation structure **4,** 894

Mozheiko, L. M. *See* **Shul'ga, S. M., Kalyuzhnaya, R. I., Mozheiko, L. M., Rekner, F. V., Zezin, A. B.** and **Kabanov, V. A.** **7,** 1725

Murachev, V. B. *See* **Byrikhin, V. S., Maloshitskii, A. S., Murachev, V. B., Yezhova, Ye. A.** and **Pravednikov, A. N.** **9,** 2272

Muratov, A. *See* **Yul'chibayeva, S. G., Muratov, A., Yul'chibayev, A. A.** and **Usmanov, S. N.** **4,** 800

Muska, G. *See* **Andrei, K.** and **Muska, G.** **3,** 637

Mustafayeva, B. B. *See* **Askadskii, A. A., Vointseva, I. I., Mustafayeva, B. B., Kazantseva, V. V.** and **Slonimskii, G. L.** **11,** 2813

Myagchenkov, V. A., Kurenkov, V. F. and **Akhmed'yanova, R. A.:** Polarographic analysis of kinetics of synthesis of polyelectrolytes by combination of depolarizer ion with macromolecules **3,** 732

Myagkova, L. A. and **Kropacheva, Ye. N.:** Study of the alternating copolymerization of isoprene and propylene using complex compounds of titanium and vanadium as catalysts **10,** 2457

Myasnikov, G. D. *See* **Grishchenko, A. Ye., Afonin, S. N., Artem'ev, V. A., Myasnikov, G. D., Koval'skii, A. F.** and **Skazka, V. S.** **7,** 1551

Nadezhdin, Yu. S., Stadnik, V. P., Lukasov, S. V. and **Sidorovich, A. V.:** Multiplicity of the temperature dependence of the enthalpy of amorphous polymers in the vicinity of glass transition temperature **12,** 2953

Naidovskii, Ye. S. *See* **Volkov, V. P., Naidovskii, Ye. S., Komarov, B. A., Kuzayev, A. I.** and **Rozenberg, B. A.** **12,** 2895

Naimark, N. I. *See* **Fridman, O. A., Naimark, N. I., Malinin, L. N.** and **Vladimirov, Yu. I.** **3,** 565

Nakhmanovich, B. I. *See* **Arest-Yakubovich, A. A., Anosov, V. I., Basova, R. V., Zolotarev, V. L., Kristal'nyi, E. V., Makhortov, A. P.** and **Nakhmanovich, B. I.** **7,** 1742

Nakhmanovich, B. I. *See* **Basova, R. V., Nakhmanovich, B. I., Kristal'nyi, E. V.** and **Arest-Yakubovich, A. A.** **2,** 388

Nametkin, N. S. *See* **Yampol'skii, Yu. P., Durgar'yan, S. G.** and **Nametkin, N. S.** **3,** 592

Naryshkina, Ye. P., Volkov, V. Ya., Dolinnyi, A. I. and **Izmailova, V. N.:** High resolution NMR analysis of conformation transitions in aqueous solutions of gelatin **9,** 2182

Narzullayev, B. N. *See* **Bartenev, G. M., Karimov, S. N., Narzullayev, B. N., Tsoi, B.** and **Shermatov, D.** **9,** 2267

Naumov, V. S. *See* **Chekushkina, N. G., Sokolova, L. B., Naumov, V. S., Smirnova, T. F.** and **Zhegalova, N. N.** **1,** 158

Nazarov, V. B. *See* **Nazarova, I. I., Nazarov, V. B.** and **Baturin, S. M.** **8,** 1967

Nazarova, I. I., Nazarov, V. B. and **Baturin, S. M.:** Study of the shape of decay of NMR free induction in polyurethanes **8,** 1967

Nechayev, P. P. *See* **Koton, M. M., Meleshko, T. K., Kudryavtsev, V. V., Nechayev, P. P., Kamzolkina, Ye. V.** and **Bogorad, N. N.** **4,** 791

Nedel'kin, V. I. *See* **Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova,**

O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M., Khotina, I. A. and Yunnikov, V. V. 8, 1934
Nefedov, P. P., Kurenbin, O. I., Zhmakina, T. P., Lazareva, M. A. and Belen'kii, B. G.: Molecular weight analysis of oligomers using highly efficient exclusion liquid chromatography 8, 2024
Nefedov, V. I. *See* Patsevich, I. V., Ogorodnikov, I. A., Fridman, A. I., Nefedov, V. I. and Salyn', Ya. V. 7, 1775
Nefedova, G. Z. *See* Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I. and Nefedova, G. Z. 11, 2718
Nefedova, G. Z. *See* Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I., Kamenskii, A. N. and Nefedova, G. Z. 4, 915
Nesterov, A. Ye. *See* Lipatov, Yu. S., Nesterov, A. Ye., Ignatova, T. D., Shumskii, V. F. and Gorbatenko, A. N. 3, 607
Nesterov, V. V., Krasikov, V. D., Chubarova, Ye. V. and Belen'kii, B. G.: Study of block copolymers by gel-permeation chromatography 6, 1512
Nevel'skaya, T. I. *See* Kiryukhin, D. P., Nevel'skaya, T. I., Kim, I. P. and Barkalov, I. M. 2, 330
Neverov, A. N. *See* Stavchuk, T. M. and Neverov, A. N. 5, 1138
Nikishina, E. I. *See* Pshenitsyna, V. P., Molotkova, N. N., Pukhovitskaya, A. N., Smirnova, L. N., Nikishina, E. I. and Potekhina, Ye. S. 8, 1974
Nikitina, O. A. *See* Shablygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhina, A. V., Tokarev, A. V. and Kudryavtsev, G. I. 6, 1388
Nikitina, O. A. *See* Shablygin, M. V., Nikitina, O. A., Belousova, T. A. and Kudryavtsev, G. I. 5, 1109
Nikitskii, N. P. *See* Bagmut, A. G., Nikitskii, N. P., Pusan, V. F., Svechkin, V. P., Sokol, A. A. and Tartakovskaya, I. Kh. 4, 861
Nikol'skii, V. G. *See* Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S. and Yenikolopyan, N. S. 1, 211
Nikol'skii, V. G. *See* Zhorin, V. A., Kulakov, V. V., Mironov, N. A., Nikol'skii, V. G., Chebotarevskii, A. E. and Yenikolopyan, N. S. 5, 1081
Nikonorova, N. A. *See* Borisova, T. I., Burshtein, L. L., Nikonorova, N. A. and Shibayev, V. P. 8, 1902
Nizovtseva, O. P., Shunkevich, A. A., Zonov, Yu. G., Krul', L. P. and Soldatov, V. S.: Diffraction study of the structure of ion exchange fibres from polypropylene modified by grafted polystyrene 8, 1797
Nokhrina, N. N. *See* Tager, A. A., Adamova, L. V., Kolmakova, L. K., Nokhrina, N. N., Valetskii, P. M., Rogovina, L. Z. and Storozhuk, I. P. 10, 2331
Novichkova, L. M. *See* Klimenko, I. B., Platonova, N. V., Grachev, V. I., Gracheva, N. P., Khasbulatova, A. G. and Novichkova, L. M. 7, 1579
Novikov, D. D. *See* Chepel', L. M., Topolkarayev, V. A., Zelenetskii, A. N., Prut, E. V., Trofimova, G. M., Novikov, D. D. and Berlin, Al. Al. 8, 1873
Novikov, D. D. *See* Markevich, M. A., Berlin, Al. Al., Oshmyan, V. G., Sakhonenko, L. S., Novikov, D. D. and Vladimirov, L. V. 8, 1979
Novikova, L. V., Ovchinnikov, Yu. V. and Teplov, B. F.: Thermo-optical method of determining temperatures of physical transitions in crystallizing plasticizers 11, 2826
Novikova, M. B. *See* Izumrudov, V. A., Bronich, T. K., Novikova, M. B., Zezin, A. B. and Kabanov, V. A. 2, 367
Novokshonova, L. A. *See* Gevorgyan, M. A., Sel'skaya, O. G., Novokshonova, L. A. and Sivergin, Yu. M. 1, 171
Noyenko, V. G. *See* Fabulyak, F. G., Noyenko, V. G. and Lipatov, Yu. S. 8, 1859

Ogarev, V. A. *See* **Arkhangel'skii, V. V., Rudoi, V. M., Stuchebryukov, S. D. and Ogarev, V. A.** 4, 1004
Ogorodnikov, I. A. *See* **Patsevich, I. V., Ogorodnikov, I. A., Fridman, A. I., Nefedov, V. I. and Salyn', Ya. V.** 7, 1775
Okhrimenko, I. S. *See* **Lykov, A. D., Mashlyakovskii, L. N., Repkin, V. Yu. and Okhrimenko, I. S.** 6, 1414
Okhrimenko, I. S. *See* **Mashlyakovskii, L. N., Berezina, G. G., Shtengel', K. Kh. and Okhrimenko, I. S.** 4, 930
Okromchelidze, N. P. *See* **Korshak, V. V., Berestneva, G. I., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okromchelidze, N. P. and Kudryavtsev, G. I.** 1, 41
Okuneva, A. G. *See* **Vakhtina, I. A., Shirokova, G. V. and Okuneva, A. G.** 9, 2290
Oleinik, A. V. *See* **Treushnikov, V. M., Frolova, N. V., Gusarskaya, N. L. and Oleinik, A. V.** 8, 1845
Ol'khova, O. M. *See* **Kuzayev, A. I. and Ol'khova, O. M.** 10, 2520
Ol'khovik, O. Ye. and Baranov, V. G.: Experimental study of the volume compliance of polymeric systems in the glassy state 10, 2440
Onishchuk, V. A., Pudov, V. S., Shantarovich, V. P. and Yasina, L. L.: Investigation of oxidized polymers using a positron annihilation technique 12, 2966
Oreshnikov, V. M. *See* **Pimenov, G. G., Maklakov, A. I., Oreshnikov, V. M., Mikheleva, N. V., Marchenko, G. I., Kuznetsov, Yu. A. and Kapitonova, N. A.** 6, 1335
Oshmyan, V. G. *See* **Markevich, M. A., Berlin, Al. Al., Oshmyan, V. G., Sakhonenko, L. S., Novikov, D. D. and Vladimirov, L. V.** 8, 1979
Osipov, O. A.: Permeability of gases through an asymmetric polyvinyl trimethyl silane membrane 5, 1500
Ovchinnikov, S. Yu. *See* **Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A. and Pravednikov, A. N.** 4, 894
Ovchinnikov, Yu. K. *See* **Rebrov, A. V., Ovchinnikov, Yu. K., Kuz'minskii, A. S. and Bakeyev, N. F.** 9, 2215
Ovchinnikov, Yu. V. *See* **Margulis, P. M., Ovchinnikov, Yu. V., Lebedev, V. P., Shlykova, M. N. and Kronman, A. G.** 4, 816
Ovchinnikov, Yu. V. *See* **Novikova, L. V., Ovchinnikov, Yu. V., and Teplov B. F.** 11, 2826
Ovchinnikova, T. N. *See* **Lebedev, B. V., Kulagina, T. G., Ludvig, Ye. B. and Ovchinnikova, T. N.** 7, 1695
Ovchinnikova, Yu. I. *See* **Malysheva, L. I., D'yachkov, A. I., Ovchinnikova, Yu. I., Chuvilin, V. B. and Zubov, V. P.** 7, 1749
Ovrutskaya, N. A. *See* **Akopyan, L. A., Ovrutskaya, N. A. and Bartenev, G. M.** 8, 1944
Ozerin, A. N. *See* **Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Ya. A., Bakeyev, N. F. and Baulin, A. A.** 10, 2385

Pakhomov, P. M. and Shablygin, M. V.: Orientational strengthening of flexible and rigid polymers 5, 1151
Pakhomov, P. M. and Slutsker, G. Ya.: Features of the kinetics of deformation of oriented polyethylene 5, 1212
Pakhomov, P. M., Korsukov, V. Ye. and Tsobkallo, Ye. S.: Conformation transitions in polyethylene terephthalate on crystallization by the action of a liquid medium 2, 468
Palayeva, T. P. *See* **Popov, V. A., Zvereva, Yu. A., Grishin, A. N., Palayeva, T. V. and Fomin, V. A.** 8, 1883

Palayeva, T. V. *See* **Popov, V. A., Zvereva, Yu. A., Klimov, Ye. S., Palayeva, T. V. and Grishin, A. N.** 4, 808

Panuntseva, T. B., Stotskii, A. A., Mirskova, A. N., Prokopovich, N. N., Makarskii, V. V. and Voronkov, M. G.: Copolymerization of acrylonitrile with β,β'-dichlorovinyl acetate 1, 22

Papisov, I. M. *See* **Baranovskii, V. Yu., Kazarin, L. A., Litmanovich, A. A., Papisov, I. M. and Kabanov, V. A.** 7, 1683

Papkov, S. P.: Classification of polymers according to their phase state 8, 1939

Papkov, S. P. *See* **Iovleva, M. M. and Papkov, S. P.** 2, 236

Papkov, S. P. *See* **Kulichikhina, T. A., Platonov, V. A., Vasil'eva, N. V., Kogan, Ye. G., Kulichikhin, V. G., Kalmykova, V. D., Volokhina, A. V. and Papkov, S. P.** 5, 1085

Papukova, K. P. *See* **Rubene, M. Kh., Papukova, K. P. and Kuznetsova, N. N.** 3, 661

Pariiskii, G. B. *See* **Ledneva, O. A., Pariiskii, G. B., Trezov, V. V. and Toptygin, D. A.** 2, 393

Pariiskii, G. B. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and Toptygin, D. Ya.** 3, 686

Pariiskii, G. B. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and Toptygin, D. Ya.** 6, 1407

Pariiskii, G. B. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and Toptygin, D. A.** 12, 2991

Pariiskii, G. B. *See* **Pokholok, T. V., Zaitseva, N. I., Pariiskii, G. B. and Toptygin, D. Ya.** 2, 378

Patsevich, I. V., Ogorodnikov, I. A., Fridman, A. I., Nefedov, V. I. and Salyn', Ya. V.: Complex of Rh(III) and polyethyleneimine and their catalytic activity in hydrogenation of cyclohexene 7, 1775

Pautov, V. D. *See* **Anufrieyeva, Ye. V., Pautov, V. D., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.** 4, 922

Pavlov, G. M. *See* **Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A. and Malichenko, B. F.** 11, 2689

Pavlova, S.-S. A., Gribkova, P. N., Belyakova, T. N., Polina, T. V., Komarova, L. G., Bekasova, N. I. and Korshak, V. V. 8, 1953

Pavlova, S.-S. A., Timofeyeva, G. I. and Akopyan, G. V.: Checking the selectivity of fractionation by distribution between two liquid phases of polymers capable of forming hydrogen bonds 1, 185

Pavlova, S.-S. A. *See* **Badamshina, E. R., Timofeyeva, G. I., Korshak, Yu. V., Berlin, Al. Al., Vdovin, V. M., Kutepov, D. F. and Pavlova, S.-S. A.** 1, 164

Pavlova, S.-S. A. *See* **Blagodatskikh, I. V., Dubrovina, L. V. and Pavlova, S.-S. A.** 2, 400

Pavlova, S.-S. A. *See* **Farmazyan, Z. M., Pavlova, S.-S. A. and Dubrovina, L. V.** 1, 142

Pazukhina, L. Yu., Yarysheva, L. M., Stoches, R. N., Bakeyev, N. F. and Kozlov, P. V.: Method of determining the linear rate of propagation of micro-cracks by plotting distribution curves during deformation of polymers in liquid media 8, 2040

Pazukhina, L. Yu. *See* **Volynskii, A. L., Lukovkin, G. M., Yarysheva, L. M., Pazukhina, L. Yu., Kozlov, P. V. and Bakeyev, N. F.** 11, 2706

Pazukhina, L. Yu. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Lukovkin, G. M., Volynskii, A. L., Bakeyev, N. F. and Kozlov, P. V.** 10, 2464

Pazukhina, L. Yu. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Stoches, R. N., Zavarova, T. B., Bakeyev, N. F. and Kozlov, P. V.** 10, 2472

Peker, T. V. *See* **Shtennikova, I. N., Peker, T. V., Kolbina, G. F., Petrov, V. R., Grebneva, V. S., Konstantinov, I. I. and Amerik, Yu. B.** 10, 2340

Pel'tsbauer, Z. *See* **Krasnikova, N. P., Dreval', V. Ye., Kotova, Ye. V., Plotnikova, Ye. P., Vinogradov, G. V., Belov, G. P. and Pel'tsbauer, Z.** 7, 1617
Perepechko, I. I. and Startseva, L. T.: Viscoelastic behaviour and relaxation processes in polymer composition–water systems 12, 3009
Pertsev, N. A. and Bershtein, V. A.: Dynamics of the system of intermolecular hydrogen bonds in strained polymers 9, 2134
Pertsova, N. V. *See* **Tverdokhlebova, I. I., Kotrelev, G. V., Tebeneva, N. A., Larina, T. A., Pertsova, N. V. and Zhdanov, A. A.** 8, 2005
Pessina, A. Ya. *See* **Titova, V. A., Zegel'man, V. I., Pessina, A. Ya., Popov, V. A. and Bort, D. N.** 6, 1360
Petrov, V. R. *See* **Shtennikova, I. N., Peker, T. V., Kolbina, G. F., Petrov, V. R., Grebneva, V. S., Konstantinov, I. I. and Amerik, Yu. B.** 10, 2340
Petrov, V. V. *See* **Minsker, K. S., Kolesov, S. V., Petrov, V. V. and Berlin, Al. Al.** 4, 854
Petrov, V. V. *See* **Minsker, K. S., Kolesov, S. V. and Petrov, V. V.** 11, 2808
Petrova, R. I., Aivazov, A. B., Zelenev, Yu. V. and Zavarova, T. B.: Mechanism for rising the impact strength of plastics 2, 273
Petrova, T. N. *See* **Zil'berman, Ye. N., Abramova, L. I. and Petrova, T. N.** 7, 1719
Petrovskii, P. V. *See* **Korshak, V. V., Berestneva, G. I., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okhromchelidze, N. P. and Kudryavtsev, G. I.** 1, 41
Petrovskii, P. V. *See* **Solov'eva, K. S., Golubev, V. N., Petrovskii, P. V., Fedin, E. I. and Tsetlin, B. L.** 8, 1909
Petryanov-Sokolov, I. V. *See* **Zakharyan, A. A. and Petryanov-Sokolov, I. V.** 8, 2020
Pichugina, S. V., Lebedev, V. P., Samarskaya, N. I., Batuyeva, L. I., Razinskaya, I. N. and Slutsker, A. I.: Deformability of polyvinyl chloride in creep conditions 6, 1261
Pilyugin, V. V., Kritskaya, D. A. and Ponomarev, A. N.: Activation energy for radiation polymerization of acrylonitrile adsorbed on silica gel 2, 300
Pimenov, G. G., Maklakova, A. I., Oreshnikov, V. M., Mikheleva, N. V., Marchenko, G. I., Kuznetsov, Yu. A. and Kapitonova, N. A.: Nuclear magnetic relaxation and segmental motion of nitrocellulose in solution 6, 1335
Pin, L. D. *See* **Bulai, A. Kh., Urman, Ya. G., Medvedeva, F. M., Slonim, I. Ya. and Pin, L. D.** 9, 2149
Plaskina, N. L. *See* **Razinskaya, I. N., Sumenkov, K. F., Plaskina, N. L., Likhterov, V. R., Pomerantseva, E. G. and Shtarkman, B. P.** 4, 971
Plate, N. A.: Nomenclature and terminology in the field of macromolecules 1, 226
Plate, N. A. and Vasil'ev, A. Ye.: Physiologically active polymers and macromolecular therapeutic systems 4, 743
Plate, N. A., Postnikov, V. A., Lukin, N. Yu., Eismont, M. Yu. and Grudkova, G. 11, 2668
Plate, N. A. *See* **Anufriyeva, Ye. V., Pautov, V. D., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.** 4, 922
Plate, N. A. *See* **Arsenov, A. D., Mal'tsev, S. D., Marevtsev, V. S., Cherkashin, M. I., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.** 11, 2635
Plate, N. A. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.** 5, 1248
Plate, N. A. *See* **Burdygin, I. F., Chupov, V. V., Valuyev, L. I., Aleksandrova, L. B., Golubev, V. B. and Plate, N. A.** 2, 406
Platonov, V. A. *See* **Kulichikhina, T. A., Platonov, V. A., Vasil'eva, N. V., Kogan, Ye. G., Kulichikhin, V. G., Kalmykova, V. D., Volokhina, A. V. and Papkov, S. P.** 5, 1085

Platonov, V. Ye. *See* **Gil'man, A. B., Shifrina, R. R., Dvornikova, K. V., Kolotyrkin, V. M., Platonov, V. Ye., Potapov, V. K. and Yakobson, G. G.** 1, 178
Platonova, N. V. *See* **Klimenko, I. B., Platonova, N. V., Grachev, V. I., Gracheva, N. P., Khasbulatova, A. G. and Novichkova, L. M.** 7, 1597
Pleshanov, V. P., Berlyant, S. M. and Burukhina, G. A.: Study of kinetics of inhibition of thermo-oxidation of polyethylene by carbon black 6, 1462
Pletneva, S. G. *See* **Khalatur, P. G. and Pletneva, S. G.** 3, 518
Pletneva, S. G. *See* **Khalatur, P. G. and Pletneva, S. G.** 12, 2873
Plotnikova, Ye. P. *See* **Krasnikova, N. P., Dreval', V. Ye., Kotova, Ye. V., Plotnikova, Ye. P., Vinogradov, G. V., Belov, G. P. and Pel'tsbauer, Z.** 7, 1617
Podol'skii, A. F. *See* **Ramazanov, K. R., Khlebtsov, N. G., Klenin, V. I. and Podol'skii, A. F.** 12, 3035
Podol'skii, A. F. *See* **Volkova, L. A., Andreyeva, N. A., Podol'skii, A. F., Bitsenko, M. I. and Eskin, V. Ye.** 6, 1327
Podosenova, N. G. *See* **Ivanchev, S. S., Podosenova, N. G., Konovalenko, V. V., Kuznetsova, T. A., Zolikov, E. G. and Budtov, V. P.** 1, 98
Pogodina, N. V. and Tsvetkov, V. N.: Electro-optical properties of comb-like polymers with a different distance of the mesogenic side group from the main chain 11, 2606
Pogodina, N. V., Lavrenko, P. N., Pozhivilko, K. S., Mel'nikov, A. B., Kolobova, T. A., Marchenko, G. N. and Tsvetkov, V. N.: The hydrodynamic and dynamo-optical properties of cellulose dinitrate solutions 2, 358
Pokholok, T. V., Zaitseva, N. I., Pariiskii, G. B. and Toptygin, D. Ya.: A comparative kinetic description of the photoreduction of ferric chloride and tetraethyl ammonium tetrachloroferrate additives in solid polymethylmethacrylate 2, 378
Polina, T. V. *See* **Pavlova, S.-S. A., Gribkova, P. N., Balykova, T. N., Polina, T. V., Komarova, L. G., Bekasova, N. I. and Korshak, V. V.** 8, 1953
Polyak, O. E. *See* **Tager, A. A., Vshivkov, S. A. and Polyak, O. E.** 3, 738
Polyakov, Z. N. *See* **Budtov, V. P., Polyakov, Z. N., Gutin, B. I., Belyayev, V. M. and Ponomareva, Ye. L.** 6, 1367
Polyanskii, A. A. *See* **Khozin, V. G., Polyanskii, A. A., Budnik, Yu. M. and Voskresenskii, V. A.** 11, 2646
Pomerantseva, E. G. *See* **Razinskaya, I. N., Sumenkov, K. F., Plaskina, N. L., Likhterov, V. R., Pomerantseva, E. G. and Shtarkman, B. P.** 4, 971
Pomogailo, A. D. *See* **Kuzayev, A. I., Pomogailo, A. D. and Mambetov, U. A.** 6, 1351
Ponomarev, A. N. *See* **Grigor'ev, Yu. N., Savost'yanov, V. A., Kritskaya, D. A., Ponomarev, A. N. and Zagorets, P. A.** 8, 2015
Ponomarev, A. N. *See* **Kritskaya, D. A. and Ponomarev, A. N.** 2, 279
Ponomarev, A. N. *See* **Pilyugin, V. V., Kritskaya, D. A. and Ponomarev, A. N.** 2, 300
Ponomarev, O. A. *See* **Minsker, K. S., Ponomarev, O. A., Karpasas, M. M. and Lomakin, G. S.** 7, 1542
Ponomareva, Ye. L. *See* **Budtov, V. P., Polyakov, Z. N., Gutin, B. L., Belyayev, V. M. and Ponomareva, Ye. L.** 6, 1367
Popov, A. A., Karpova, S. G. and Zaikov, G. Ye.: Special features of elastic deformation of uniaxially oriented high-density polyethylene 11, 2760
Popov, A. A., Zaikov, G. Ye., Pracella, M. and Martuscelli, E.: Action of ozone on isotropic and oriented blends of polypropylene and polyethylene. On the influence of deformation on the rate of oxidation 11, 2754
Popov, A. Ye. *See* **Grishchenko, A. Ye., Afonin, S. N., Popov, A. Ye. and Skazka, V. S.** 6, 1306

Popov, V. A., Zvereva, Yu. A., Grishin, A. N., Palayeva, T. V. and Fomin, V. A.: Polymerization of vinyl monomers on the surface of chalk activated by dicarboxyl-containing peroxide **8,** 1883

Popov, V. A., Zvereva, Yu. A., Klimov, Ye. S., Palayeva, T. V. and Grishin, A. N.: Chemical modification of calcium carbonate surface by 4-azo-bis-4-cyanpentanoic acid and its effect on initiation and polymerization **4,** 808

Popov, V. A. *See* **Titova, V. A., Zegel'man, V. I., Pessina, A. Ya., Popov, V. A. and Bort, D. N.** **6,** 1360

Popov, V. Ya. *See* **Remizov, N. A., Chalykh, A. Ye., Popov, V. Ya. and Lavrent'ev, V. V.** **8,** 1853

Popova, T. V. *See* **Gal'chenko, A. G., Khalturinskii, N. A., Sakharova, A. A., Popova, T. V., Frunze, T. M. and Berlin, Al. Al.** **1,** 73

Popova, Ye. V., Bulatnikova, L. I., Belyatskaya, O. N. and Gul', V. Ye.: Regulation of the structure of rigid polymers in the process of cryolysis **3,** 570

Postnikov, L. M. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and Toptygin, D. Ya.** **3,** 686

Postnikov, L. M. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and Toptygin, D. Ya.** **6,** 1407

Postnikov, L. M. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M. and Toptygin, D. Ya.** **12,** 2991

Postnikov, V. A. *See* **Plate, N. A., Postnikov, V. A., Lukin, N. Yu., Eismont, M. Yu. and Grudkova, G.** **11,** 2668

Potapov, V. K. *See* **Gil'man, A. B., Shifrina, R. R., Dvornikova, K. V., Kolotyrkin, V. M., Platonov, V. Ye., Potapov, V. K. and Yakobson, G. G.** **1,** 178

Potekhina, Ye. S. *See* **Pshenitsyna, V. P., Molotkova, N. N., Pukhovitskaya, A. N., Smirnova, L. N., Nikishina, E. I. and Potekhina, Ye. S.** **8,** 1974

Povolotskaya, Ye. S. *See* **Kuchanov, S. I. and Povolotskaya, Ye. S.** **10,** 2499

Povolotskaya, Ye. S. *See* **Kuchanov, S. I. and Povolotskaya, Ye. S.** **10,** 2512

Povolotskaya, M. I. *See* **Tantsyrev, G. D. and Povolotskaya, M. I.** **2,** 487

Pozhidayev, Ye. D. *See* **Sayenko, V. S., Sichkar', V. P., Tyutnev, A. P. and Pozhidayev, Ye. D.** **7,** 1754

Pozhidayev, Ye. D. *See* **Tyutnev, A. P., Sayenko, V. S. and Pozhidayev, Ye. D.** **1,** 111

Pozhidayev, Ye. D. *See* **Tyutnev, A. P., Sayenko, V. S. and Pozhidayev, Ye. D.** **1,** 120

Pozhivilko, K. S. *See* **Pogodina, N. V., Lavrenko, P. N., Pozhivilko, K. S., Mel'nikov, A. B., Kolobova, T. A., Marchenko, G. N. and Tsvetkov, V. N.** **2,** 358

Pracella, M. *See* **Popov, A. A., Zaikov, G. Ye., Pracella, M. and Martuscelli, E.** **11,** 2754

Pravednikov, A. N. *See* **Byrikhin, V. S., Maloshitskii, A. S., Murachev, V. B., Yezhova, Ye. A. and Pravednikov, A. N.** **9,** 2272

Pravednikov, A. N. *See* **Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A. and Pravednikov, A. N.** **4,** 894

Prikhod'ko, P. L. *See* **Kopylov, V. M., Prikhod'ko, P. L. and Kovyazin, V. A.** **8,** 1998

Priss, L. S., Tyulenev, A. I. and Vishnyakov, I. I.: Determination of the degree of crystallinity of elastomers under stretching **1,** 59

Privalko, V. P. *See* **Goikhman, A. Sh., Kirishenko, V. I., Demchenko, S. S., Matsibora, N. P. and Privalko, V. P.** **1,** 49

Prokof'eva, M. V. *See* **Meyerson, S. I., Shakhova, Ye. M., Prokof'eva, M. V. and Khin, N. N.** **3,** 704

Prokopovich, N. N. *See* **Panuntseva, T. B., Stotskii, A. A., Mirskova, A. N., Prokopovich, N. N., Makarskii, V. V. and Voronkov, M. V.** **1,** 22

Protasov, V. G. *See* **Slobodetskaya, Ye. M., Magomedova, T. M., Karpukhin, O. N. and Protasov, V. G.** 2, 257
Prut, E. V. *See* **Chepel', L. M., Topolkarayev, V. A., Zelenetskii, A. N., Prut, E. V., Trofimova, G. M., Novikov, D. D. and Berlin, Al. Al.** 8, 1873
Prut, E. V. *See* **Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S. and Yenikolopyan, N. S.** 1, 211
Prut, E. V. *See* **Zarkhina, T. S., Zarkhin, L. S., Zelenetskii, A. N., Karmilova, L. V. and Prut, E. V.** 11, 2793
Prut, E. V. *See* **Zarkhina, T. S., Zelenetskii, A. N., Zarkhin, L. S., Karmilova, L. V., Prut, E. V. and Yenikolopyan, N. S.** 3, 647
Pshenitsyna, V. P., Molotkova, N. N., Pukhovitskaya, A. N., Smirnova, L. N., Nikishina, E. I. and Potekhina, Ye. S.: Infrared investigation of the structure of urea-formaldehyde oligomers synthesized in the presence of amines 8, 1974
Pshenitsyna, V. P. *See* **Avdeyeva, G. M., Pshenitsyna, V. P. and Sedov, L. N.** 1, 200
Puchkova, V. V. *See* **Shiryayeva, G. V., Puchkova, V. V., Faizi, N. Kh., Kuz'min, I. B. and Klinshpont, E. R.** 3, 556
Pudov, V. S. *See* **Genkina, L. G. and Pudov, V. S.** 9, 2195
Pudov, V. S. *See* **Onishchuk, V. A., Pudov, V. S., Shantarovich, V. P. and Yasina, L. L.** 12, 2966
Pudov, V. S. *See* **Yasina, L. L. and Pudov, V. S.** 3, 541
Pukhovitskaya, A. N. *See* **Pshenitsyna, V. P., Molotkova, N. N., Pukhovitskaya, A. N., Smirnova, L. N., Nikishina, E. I. and Potekhina, Ye. S.** 8, 1974
Purmal', A. P. *See* **Skurlatov, Yu. I., Kokorin, A. I., Travin, S. O., Kirsh, Yu. E. and Purmal', A. P.** 9, 2143
Pusan, V. F. *See* **Bagmut, A. G., Nikitskii, N. P., Pusan, A. F., Svechkin, V. P., Sokol, A. A. and Tartakovskaya, I. Kh.** 4, 861

Rabinovich, I. B., Maslova, V. A., Faminskaya, L. A., Gur'eva, S. V., Bespalov, Yu. A. and Fedotov, B. G.: Phase diagrams of dioctyl sebaceate mixtures with some polymers 4, 841
Radugin, V. S. *See* **Barzykina, R. A., Radugin, V. S., Kuzayev, A. I. and Estrin, Ya. I.** 7, 1636
Radzyavichyus, K. I., Shatayeva, L. K., Samsonov, G. V., Zhukova, N. G., Zorina, A. I. and Laskorin, B. N.: Structure and sorption properties of macroporous KM-2p carboxyl cation-exchange resin 5, 1205
Ragimov, A. V., Ragimov, I. I., Mamedov, B. A., Guseinov, S. A. and Liogon'kii, B. I.: On features of the oligomerization of hydroquinone under auto-oxidation 10, 2434
Ragimov, I. I. *See* **Ragimov, A. V., Ragimov, I. I., Mamedov, B. A., Guseinov, S. A. and Liogon'kii, B. I.** 10, 2434
Ramazanov, K. R., Khlebtsov, N. G., Klenin, V. I. and Podol'skii, A. F.: Optimization of the turbidimetric precipitation titration of poly-α-methyl styrene solutions 12, 3035
Raskina, A. B. *See* **Korshak, V. V., Berestneva, G. I., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, P. V., Astaf'ev, S. A., Okromchelidze, N. P. and Kudryavtsev, G. I.** 1, 41
Razinskaya, I. N., Sumenkov, K. F., Plaskina, N. L., Likhterov, V. R., Pomerantseva, E. G. and Shtarkman, B. P.: Features of combustion of polymethyl methacrylate compositions with some phosphoric acid esters 4, 971
Razinskaya, I. N. *See* **Pichugina, S. V., Lebedev, V. P., Samarskaya, N. I., Batuyeva, L. I., Razinskaya, I. N. and Slutsker, A. I.** 6, 1261

Razumovskii, L. P., Markin, V. S. and **Zaikov, G. Ye.**: The mutual influence of components of a medium on their sorption by polyamides **8,** 1960
Razumovskii, S. D. and **Zaikov, G. Ye.**: Effect of ozone on saturated polymers. Review **10,** 2305
Razumovskii, S. D., Vinitskaya, Ye. L., Kefeli, A. A., Gurvich, Ya. A. and **Zaikov, G. Ye.**: The mechanism of the protective action of anti-ozonants **6,** 1397
Razuvayev, G. A. *See* **Dontsov, V. A., Grishin, D. F., Cherkasov, V. K.** and **Razuvayev, G. A.** **3,** 493
Razuvayev, G. A. *See* **Troitskii, B. B., Troitskaya, L. S., Denisova, V. N.** and **Razuvayev, G. A.** **12,** 2849
Razvodovskii, Ye. F. *See* **Tatarova, L. A., Yermakova, T. G., Berlin, Al. Al., Razvodovskii, Ye. F., Lopyrev, V. A., Kedrina, N. F.** and **Yenikolopyan, N. S.** **10,** 2529
Rebrov, A. V., Ovchinnikov, Yu. K., Kuz'minskii, A. S. and **Bakeyev, N. F.**: Structural heterogenization processes in rubber-oligomer compositions **9,** 2215
Reitburd, L. Ye. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye.** and **Gol'der, M. M.** **5,** 1218
Reitburd, L. Ye. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N.** and **Sivakova, R. N.** **5,** 1183
Rekner, F. V. *See* **Shul'ga, G. M., Kalyuzhnaya, R. I., Mozheiko, L. M., Rekner, F. V., Zezin, A. B.** and **Kabanov, V. A.** **7,** 1725
Remizov, N. A., Chalykh, A. Ya., Popov, V. Ya. and **Lavrent'ev, V. V.**: Determination of the diffusion constants of liquids in polymers by sorption and by internal reflection spectroscopy **8,** 1853
Repkin, V. Yu. *See* **Lykov, A. D., Mashlyakovskii, L. N., Repkin, V. Yu.** and **Okhrimenko, I. S.** **6,** 1414
Reutskii, V. A. *See* **Akutin, M. S., Reutskii, V. A.** and **Zhuravleva, I. I.** **6,** 1421
Rogachev, A. V.: Using the effect of re-evaporation of metal atoms for the study of surface properties of polymers **5,** 1254
Roginskii, V. A.: Sterically hindered phenols—antioxidants for polyolefines. Relation of antioxidative activity to structure. Review **9,** 2063
Roginskii, V. A., Shanina, Ye. L. and **Miller, V. B.**: Kinetics and mechanism of decay of peroxide radicals in oxidation of solid polypropylene **1,** 217
Roginskii, V. A., Shanina, Ye. L., Yarkov, S. P. and **Miller, V. B.**: The decay of peroxide macroradicals in the crystalline phase of isotactic polypropylene **6,** 1402
Rogova, L. S. *See* **Mikheyev, Ye. A., Rogova, L. S., Guseva, L. N.** and **Toptygin, D. Ya.** **5,** 1176
Rogova, T. G. *See* **Granik, S. O., Rogova, T. G., Samarin, Ye. F.** and **Shtarkman, B. P.** **2,** 345
Rogovin, Z. A. *See* **Kislyuk, M. S., Gabrielyan, G. A., Andrichenko, Yu. D.** and **Rogovin, Z. A.** **11,** 2663
Rogovina, L. Z., Vasil'ev, V. G. and **Slonimskii, G. L.**: Regular networks based on α,ω-dihydroxyoligodimethylsiloxane obtained in different conditions of dilution **2,** 264
Rogovina, L. Z. *See* **Shirokova, L. B., Storozhuk, I. P., Voishcheva, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, G. L., Vinogradova, S. V.** and **Korshak, V. V.** **9,** 2259
Rogovina, L. Z. *See* **Tager, A. A., Adamova, L. V., Kolmakova, L. K., Nokhrina, N. N., Valetskii, P. M., Rogovina, L. Z.** and **Storozhuk, I. P.** **10,** 2331
Romankevich, O. V.: Thermodynamics of the formation of secondary nuclei **12,** 2888
Romankevich, O. V. and **Frenkel', S. Ya.**: Relationship between the melt index and the value of expansion of a jet of a polymer melt flowing out of a hole **6,** 1269
Romankevich, O. V., Zhila, T. I., Zabello, S. Ye., Sklyar, N. A. and **Frenkel', S. Ya.** **11,** 2614

Romanov, V. G. *See* **Zuyev, B. M., Gubanov, E. F., Shulyndin, S. V., Dikolenko, S. V., Romanov, V. G.** and **Ivanov, B. Ye.** 12, 3000
Romanovich, T. V. *See* **Zaporozhskaya, Ye. A., Ginzburg, L. V., Dontsov, A. A., Romanova, T. V.** and **Fomin, A. G.** 7, 1762
Rossina, D. Ya. *See* **Filatova, N. N., Rossina, D. Ya., Yevreinov, V. V.** and **Entelis, S. G.** 5, 1144
Rozenberg, B. A. *See* **Derinovskii, V. S., Zakirov, I. N., Lantsov, V. M., Volkov, V. P.** and **Rozenberg, B. A.** 11, 2747
Rozenberg, B. A. *See* **Kushch, P. P., Komarov, B. A.** and **Rozenberg, B. A.** 2, 335
Rozenberg, B. A. *See* **Tarasov, P. V., Smirnov, Yu. N., Yerofeyev, L. N., Irzhak, V. I.** and **Rozenberg, B. A.** 11, 2732
Rozenberg, B. A. *See* **Volkov, V. P., Naidovskii, Ye. S., Komarov, B. A., Kuzayev, A. I.** and **Rozenberg, B. A.** 12, 2895
Rubene, M. Kh., Papukova, K. P. and **Kuznetsova, N. N.:** The synthesisand properties of sulphonaphthalene macronetwork polyelectrolytes 3, 661
Rudoi, V. M. *See* **Arkhangel'skii, V. V., Rudoi, V. M., Stuchebryukov, S. D.** and **Ogarev, V. A.** 4, 1004

Safrin, R. Sh. *See* **Vishnevskaya, G. P., Molochnikov, L. S. Safrin, R. Sh.** and **Balakin, S. M.** 3, 678
Saidov, G. V., Bernshtein, Ye. V. and **Barbanel', I. Yu.:** The features of orientation of macromolecules in polytetrafluoroethylene films 7, 1611
Sakharova, A. A. *See* **Gal'chenko, A. G., Khalturinskii, N. A., Sakharova, A. A., Popova, T. V., Frunze, T. M.** and **Berlin, Al. Al.** 1, 73
Saikina, Z. F., Doroshenko, Yu. Ye., Avdeyeva, N. K. and **Korshak, V. V.:** The synthesis and study of acid polyamides based on bis-*ortho*-amino acids and tetracarboxylic anhydrides 1, 85
Sakhonenko, L. S. *See* **Markevich, M. A., Berlin, Al. Al., Oshmyan, V. G., Sakhonenko, L. S., Novikov, D. D.** and **Vladimirov, L. V.** 8, 1979
Sakunenko, Yu. I. *See* **Zadorina, Ye. N., Vishnevskii, G. Ye., Isayev, K. S., Sakunenko, Yu. I., Mikitayeva, N. K.** and **Zelenev, Yu. V.** 5, 1067
Salyn', Ya. V. *See* **Patsevich, I. V., Ogorodnikov, I. A., Fridman, A. I., Nefedov, V. I.** and **Salyn', Ya. V.** 7, 1775
Samarin, Ye. F. *See* **Granik, S. O., Rogova, T. G., Samarin, Ye. F.** and **Shtarkman, B. P.** 2, 345
Samarskaya, N. I. *See* **Pichugina, S. V., Lebedev, V. P., Samarskaya, N. I., Batuyeva, L. I., Razinskaya, I. N.** and **Slutsker, A. I.** 6, 1261
Samsonov, G. V. *See* **Radzyavichyus, K. I., Shatayeva, L. K., Samsonov, G. V., Zhukova, N. G., Zorina, A. I.** and **Laskorin, B. N.** 5, 1205
Sangalov, Yu. A. *See* **Minsker, K. S., Yel'yashevich, A. M., Yanborisov, V. M.** and **Sangalov, Yu. A.** 12, 2985
Savchuk, T. M. and **Neverov, A. N.:** The effects of orientation and crystallinity on the resistance of polyethylene terephthalate to photo-oxidation 5, 1138
Savinova, I. V. *See* **Mosalova, L. F., Kryuglova, N. A., Savinova, I. V., Vorontsov, Ye. D.** and **Yevdakov, V. P.** 1, 205
Savost'yanov, V. S. *See* **Grigor'ev, Yu. N., Savost'yanov, V. S., Kirtskaya, D. A., Ponomarev, A. N.** and **Zagorets, P. A.** 8, 2015
Sayenko, V. S., Sichkar', V. P., Tyutnev, A. P. and **Pozhidayev, Ye. D.:** Features of radiation-induced electrical conductivity of some polar polymers 7, 1754

Sayenko, V. S. *See* **Tyutnev, A. P., Sayenko, V. S. and Pozhidayev, Ye. D.** 1, 111
Sayenko, V. S. *See* **Tyutnev, A. P., Sayenko, V. S. and Pozhidayev, Ye. D.** 1, 120
Sazanov, Yu. N. *See* **Shibayev, L. A., Sazanov, Yu. N., Stepanov, N. G., Bulina, T. M., Zhukova, T. I. and Koton, M. M.** 12, 2922
Sazhin, B. I. *See* **Shuvayev, V. P. and Sazhin, B. I.** 2, 229
Sedov, L. N. *See* **Avdeyeva, G. M., Phenitsyna, V. P. and Sedov, L. N.** 1, 200
Sel'skaya, O. G. *See* **Gevorgyan, M. A., Sel'skaya, O. G., Novokshonova, L. A. and Sivergin, Yu. M.** 1, 171
Semchikov, Yu. D. *See* **Smirnova, L. A., Semchikov, Yu. D., Kamyshenkova, L. I., Sveshnikova, T. G., Yegorochkin, A. N., Kalinina, G. S. and Yegorov, B. A.** 5, 1127
Semenenko, E. I. *See* **Gorelik, B. A., Aneli, J. N. and Semenenko, E. I.** 12, 2908
Semenov, A. N. and Khokhlov, A. R.: Liquid-crystalline ordering in solutions of rigid macromolecules in the presence of external fields 8, 1989
Semenov, A. N. and Khokhlov, A. R.: The liquid-crystalline solution of persistent macromolecules in an external field 12, 2958
Semisotnov, G. V. *See* **Anufriyeva, Ye. V., Semisotnov, G. V., Krakovyak, M. G. and Lushchik, V. B.** 8, 1896
Senderskaya, Ye. Ye. *See* **L'vov, Yu. A., Senderskaya, Ye. Ye. and Balasheva, N. F.** 12, 2859
Serenkova, I. A. and Shlyapnikov, Yu. A.: Kinetics of the thermal oxidation of polydimethylphenylene oxide 4, 902
Sergeyev, G. B., Komarov, V. S. and Bekhterev, V. N.: The solid-phase polymerization of cyclopentadiene in the presence of titanium tetrachloride 12, 2977
Sergeyev, V. A., Shitikov, V. K., Chizhova, N. V. and Korshak, V. V.: Co-cyclotrimerization of 2,4-toluylene diisocyanate and phenyl isocyanate 11, 2700
Sergeyev, V. A., Vdovina, L. I. and Kononenko, N. E.: Oligomer and polymer π-arenemetaltricarbonyl complexes 6, 1480
Sergeyev, V. A. *See* **Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M., Khotina, I. A. and Yunnikov, V. V.** 8, 1934
Sergeyeva, L. M. *See* **Lipatov, Yu. S., Karabanova, L. V., Sergeyeva, L. M. and Gorichko, E. Ya.** 1, 126
Shabanova, I. N. *See* **Kodolov, V. I., Lyakhovich, A. M., Tyurin, S. A., Shabanova, I. N., Lipanov, A. M. and Trapeznikov, V. A.** 4, 855
Shabayev, A. S. *See* **Shelgayev, V. N., Shabayev, A. S. and Mikitayev, A. K.** 11, 2654
Shablygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhina, A. V., Tokarev, A. V. and Kudryavtsev, G. I. 6, 1388
Shablygin, M. V., Nikitina, O. A., Belousova, T. A. and Kudryavtsev, G. I.: The hydrogen bond and its effect on spontaneous orientation during the heating of aromatic polyamides 5, 1109
Shablygin, M. V. *See* **Pakhomov, P. M. and Shablygin, M. V.** 5, 1151
Shaboldin, V. P., Demishev, V. N., Ionov, Yu. A. and Akatova, S. P.: Effect of mineral salts on the structure of liquid thiokol 5, 1243
Shadrin, V. N. *See* **Artemeva, V. N., Koton, M. M., Kukarkina, N. V., Zhukova, T. I., Kalnin'sh, K. K., Lyubimova, G. V. and Shadrin, V. N.** 4, 782
Shakhova, Ye. M. *See* **Meyerson, S. I., Shakhova, Ye. M., Prokof'eva, M. V. and Khin, N. N.** 3, 704
Shakhovskoi, G. P. *See* **Zhulin, V. M., Makarova, Z. G., Klimentova, N. V., Suprun, A. N., Akopyan, A. N. and Shakhovskoi, G. P.** 12, 3015
Shamov, I. V. *See* **Brandman, G. S., Shamov, I. V. and Tarakanov, O. G.** 5, 1042
Shanina, Ye. L. *See* **Roginskii, V. A., Shanina, Ye. L. and Miller, V. B.** 1, 217

Shanina, Ye. L. *See* **Roginskii, V. A., Shanina, Ye. L., Yarkov, S. P. and Miller, V. B.** 6, 1402
Shantarovich, V. P. *See* **Onishchuk, V. A., Pudov, V. S., Shantarovich, V. P. and Yasina, L. L.** 12, 2966
Shapiro, A. B. *See* **Aleksandrova, T. A., Karaputadze, T. M., Shapiro, A. B., Kirsh, Ye. E. and Vasserman, A. M.** 11, 2725
Shapovalova, A. N. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N. and Sirakova, R. N.** 5, 1183
Shashkova, V. T. *See* **Lomakin, S. M., Aseyeva, R. M., Shashkova, V. T., Kefeli, T. Ya. and Zaikov, G. Ye.** 10, 2378
Shatalov, G. V. *See* **Gridchin, S. A., Shatalov, G. V., Masterova, M. N., Mikhant'ev, B. I. and Zubov, V. P.** 2, 286
Shatayeva, L. K. *See* **Radzyavichyus, K. I., Shatayeva, L. K., Samsonov, G. V., Zhukova, N. G., Zorina, A. I. and Laskorin, B. N.** 5, 1205
Shelekhov, N. S. *See* **Kozel, S. P., Gotlib, Yu. Ya., Lashkov, G. I. and Shelekhov, N. S.** 7, 1578
Shelgayev, V. N., Shabayev, A. S. and Mikitayev, A. K.: Thermal degradation of poly(arylate-arylene sulphonoxides) 11, 2654
Shermatov, D. *See* **Bartenev, G. M., Karimov, S. N., Narzullayev, B. N., Tsoi, B. and Shermatov, D.** 9, 2267
Shevelev, V. A. *See* **Afanasyeva, N. V., Borisova, T. I., Tigacheva, Ye. R., Shevelev, V. A., Titova, N. V. and Yeliseyeva, V. I.** 5, 1159
Shibanov, Yu. D. *See* **Godovskii, Yu. K. and Shibanov, Yu. D.** 5, 1116
Shibanova, N. A., Zhitinkina, A. K., Turetskii, L. V. and Varentseva, N. V.: The role of proton-donors in cyclotrimerization of isocyanates by the action on an amine–epoxide catalytic system 11, 2768
Shibayev, L. A., Sazanov, Yu. N., Stepanov, N. G., Bulina, T. M., Zhukova, T. I. and Koton, M. M.: Mass spectrometric thermal analysis of the cyclodehydration polyamic acids 12, 2922
Shibayev, V. P. *See* **Anufriyeva, Ye. V., Pautov, V. D., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.** 4, 922
Shibayev, V. P. *See* **Arsenov, V. D., Mal'tsev, S. D., Marevtsev, V. S., Cherkashin, M. I., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.** 11, 2635
Shibayev, V. P. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Kharitonov, A. V. and Shibayev, V. P.** 7, 1664
Shibayev, V. P. *See* **Borisova, T. I., Burshtein, L. L., Nikonorova, N. A. and Shibayev, V. P.** 8, 1902
Shibayev, V. P. *See* **Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A.** 5, 1248
Shibayev, V. P. *See* **Burshtein, L. L. and Shibayev, V. P.** 1, 1
Shifrina, R. R. *See* **Gil'man, A. B., Shifrina, R. R., Dvornikova, K. V., Kolotyrkin, V. M., Platonov, V. Ye., Potapov, V. K. and Yakobson, G. G.** 1, 178
Shil'dyayeva, N. A. *See* **Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A. and Malichenko, B. F.** 11, 2689
Shilov, A. D., Basov, B. K. and El'tekov, Yu. A.: Determining coefficients K_η and a for oligomers using liquid chromatography 3, 728
Shilov, Yu. B. and Denisov, Ye. T.: Inhibiting action of bis-phenols on oxidation of polypropylene containing hydroperoxide groups 4, 938
Shirokova, G. V. *See* **Vakhtina, I. A., Shirokova, G. V. and Okuneva, A. G.** 9, 2290

Shirokhova, L. B., Storozhuk, I. P., Voishchev, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, G. L., Vinogradova, S. V. and **Korshak, V. V.**: Properties of irregular poly-(arylate-arylene sulphonoxides) based on oligoarylene sulphonoxides with various degrees of polymerization 9, 2259
Shiryayeva, G. V., Pukhova, V. V., Faizi, N. Kh., Kuz'min, I. B. and **Klinshpont, E. R.**: The action of ultraviolet light on radiation-cured oligomer compositions 3, 556
Shitikov, V. K. *See* **Sergeyev, V. A., Shitikov, V. K., Chizhova, N. V.** and **Korshak, V. V.** 11, 2700
Shitov, N. A. *See* **Volynskii, A. L., Grokhovskaya, T. Ye., Shitov, N. A.** and **Bakeyev, N. F.** 6, 1430
Shlyakhter, R. A. *See* **Valuyev, V. I., Dmitriyeva, T. S., Shlyakhter, R. A., Yatsimirskaya, T. S., Boiko, V. P.** and **Grishchenko, V. K.** 6, 1312
Shlyapintokh, V. Ya. *See* **Butyagin, G. P., Butyagin, P. Yu.** and **Shlyapintokh, V. Ya.** 1, 190
Shlyapnikov, Yu. A. *See* **Serenkova, I. A.** and **Shlyapnikov, Yu. A.** 4, 902
Shlykova, M. N. *See* **Margulis, P. M., Ovchinnikov, Yu. V., Lebedev, V. P., Shlykova, M. N.** and **Kronman, A. G.** 4, 816
Shpilevskaya, L. Ye. *See* **Kalutskaya, E. P., Gusev, S. S., Shpilevskaya, L. Ye.** and **Yermolenko, I. N.** 6, 1279
Shtarkman, B. P. *See* **Granik, S. O., Rogova, T. G., Samarin, Ye. F.** and **Shtarkman, B. P.** 2, 345
Shtarkman, B. P. *See* **Razinskaya, I. N., Sumenkov, K. F., Plaskina, N. L., Likhterov, V. R., Pomerantseva, E. G.** and **Shtarkman, B. P.** 4, 971
Shtengel', K. Kh. *See* **Mashlyakovskii, L. N., Berezina, G. G., Shtengel', K. Kh.** and **Okhrimenko, I. S.** 4, 930
Shtennikova, I. N., Peker, T. V., Kolbina, G. F., Petrov, V. R., Grebneva, V. S., Konstantinov, I. I. and **Amerik, Yu. B.**: Conformation and optical anisotropy of comb-like macromolecules with mesogenic side groups 10, 2340
Shtennikova, I. N. *See* **Bushin, S. V., Korneyeva, Ye. V., Konstantinov, I. I., Amerik, Yu. B., Didenko, S. A., Shtennikova, I. N.** and **Tsvetkov, V. N.** 7, 1671
Shtil'man, M. I. *See* **Korshak, V. V., Shtil'man, M. I., Voskanyan, P. S.** and **Denisova, L. A.** 12, 3030
Shul'ga, S. M., Kalyuzhnaya, R. I., Mozheiko, L. M., Rekner, F. V., Zezin, A. B. and **Kabanov, V. A.**: Cooperative intermacromolecular reactions with lignosulponates 7, 1725
Shulyndin, S. V. *See* **Levin, Ya. A., Fridman, G. B., Gurskaya, V. Sh., Gazizova, L. Kh., Shulyndin, S. V.** and **Ivanov, B. Ye.** 3, 667
Shulyndin, S. V. *See* **Zuyev, B. M., Gubanov, E. F., Shulyndin, S. V., Dikolenko, S. V., Romanov, V. G.** and **Ivanov, B. Ye.** 12, 3000
Shumskii, V. F. *See* **Lipatov, Yu. S., Nesterov, A. Ya., Ignatova, T. D., Shumskii, V. F.** and **Gorbatenko, A. N.** 3, 607
Shunkevich, A. A. *See* **Nizovtseva, O. P., Shunkevich, A. A., Zonov, Yu. G., Krul', L. P.** and **Soldatov, V. S.** 8, 1797
Shustov, G. B. *See* **Mikitayev, A. K., Korshak, V. V.** and **Shustov, G. B.** 12, 2941
Shuvayev, V. P. and **Sazhin, B. I.**: State of research into the production of high-temperature polymer superconductors. Review 2, 229
Shevchuk, L. M. *See* **Smirnova, K. N., Zavarova, T. B., Lebedev, V. P., Shevchuk, L. M., Batuyeva, L. I.** and **Kulikova, A. Ye.** 4, 824
Sichkar', V. P. *See* **Sayenko, V. S., Sichkar', V. P., Tyutnev, A. P.** and **Pozhidayev, Ye. D.** 7, 1754

Sinevich, Ye. A. and **Bakeyev, N. F.**: On the nature of the influence of liquid organic media on the mechanical properties of glassy polymers **9,** 2187
Sidorenko, V. I. *See* **Voishchev, V. S., Valetskii, P. M., Sidorenko, V. I., Voishcheva, O. V., Vinogradova, S. V.** and **Korshak, V. V.** **10,** 2537
Sidorovich, A. V. *See* **Nadezhin, Yu. S., Stadnik, V. P., Lukasov, S. V.** and **Sidorovich, A. V.** **12,** 2953
Sivakova, R. N. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N.** and **Sivakova, R. N.** **5,** 1183
Sivergin, Yu. M. *See* **Gevorgyan, M. A., Sel'skaya, O. G., Novokshonova, L. A.** and **Sivergin, Yu. M.** **1,** 171
Skakal'skaya, L. I. *See* **Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I., Kamenskii, A. N.** and **Nefedova, G. Z.** **4,** 915
Skalal'skaya, L. I. *See* **Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I.** and **Nefedova, G. Z.** **11,** 2718
Skazka, V. S. *See* **Grishchenko, A. Ye., Afonin, S. N., Artem'ev, V. A., Myasnikov, G. D., Koval'skii, A. F.** and **Skazka, V. S.** **7,** 1551
Skazka, V. S. *See* **Grishchenko, A. Ye., Afonin, S. N., Popov, A. Ye.** and **Skazka, V. S.** **6,** 1306
Skazka, V. S. *See* **Grishchenko, A. Ye., Kotov, L. N., Afonin, S. N., Budovskaya, L. D., Ivanova, V. N., Tkacheva, I. I.** and **Skazka, V. S.** **9,** 2128
Sklizkova, V. P. *See* **Smirnova, V. Ye., Bessonov, M. I., Zhukova, T. I., Koton, M. M., Kudryavtseva, V. V., Sklizkova, V. P.** and **Lebedev, G. A.** **6,** 1375
Skorbatov, A. G.: Anisotropic light scattering with the persistent chain model **2,** 314
Skorobogatskaya, L. I. *See* **Krul', L. P., Matusevich, P. A., Skorobogatskaya, L. I.** and **Tatarinov, B. A.** **3,** 641
Skurlatov, Yu. I., Kokorin, A. I., Travin, S. O., Kirsh, Yu. E. and **Purmal', A. P.**: The effect of pH on Cu^{2+} complex formation with poly-4-vinylpyridine **9,** 2143
Sklyar, N. A. *See* **Romankevich, O. V., Zhila, T. I., Zabello, S. Ye., Sklyar, N. A.** and **Frenkel', S. Ya.** **11,** 2614
Skvortsova, G. G. *See* **Gorshkov, A. G., Turchaninov, V. K., Svyatkina, L. I., Kurov, G. N.** and **Skvortsova, G. G.** **6,** 1274
Slin'ko, M. G. *See* **Korolev, S. V., Kuchanov, S. I.** and **Slin'ko, M. G.** **10,** 2489
Slin'ko, M. G. *See* **Kuchanov, S. I., Korolev, S. V.** and **Slin'ko, M. G.** **10,** 2477
Slobodetskaya, Ye. M., Magomedova, T. V., Karpukhin, O. N. and **Protasov, V. G.**: Change in the physicomechanical properties of polyethylene on photo-oxidation **2,** 257
Slonim, I. Ya. *See* **Bulai, A. Kh., Urman, Ya. G., Medvedeva, F. M., Slonim, I. Ya.** and **Pin, L. D.** **9,** 2149
Slonim, I. Ya. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye.** and **Gol'der, M. M.** **5,** 1218
Slonim, I. Ya. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N.** and **Sivakova, R. N.** **5,** 1183
Slonim, I. Ya. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Filippenko, D. Ya., Strokova, L. D.** and **Bulgakova, M. A.** **3,** 549
Slonim, I. Ya. *See* **Korshak, V. V., Markova, G. D., Slonim, I. Ya., Vasnev, V. A., Vinogradova, S. V., Urman, Ya. G.** and **Bulai, A. Kh.** **6,** 1437
Slonim, I. Ya. *See* **Korshak, V. V., Vinogradova, S. V., Vasnev, V. A., Gogiashvili, T. M., Slonim, I. Ya., Urman, Ya. G.** and **Bulai, A. Kh.** **2,** 350
Slonimskii, G. L. *See* **Askadskii, A. A., Vointseva, I. I., Mustafayeva, B. B., Kazantseva, V. V.** and **Slonimskii, G. L.** **11,** 2813
Slonimskii, G. L. *See* **Levin, V. Yu., Zhdanov, A. A., Slonimskii, G. L., Martirosov, V. A., Kvachev, Yu. P., Golubkov, G. Ye.** and **Gritsenko, O. T.** **10,** 2422

Slonimskii, G. L. *See* **Rogovina, L. Z., Vasil'ev, V. G. and Slonimskii, G. L.** 2, 264
Slonimskii, G. L. *See* **Shirokova, L. B., Storozhuk, I. P., Voishcheva, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, G. L., Vinogradova, S. V. and Korshak, V. V.** 9, 2259
Slovokhotova, N. A. *See* **Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Yu. A., Bakeyev, N. F. and Baulin, A. A.** 10, 2385
Slutsker, A. I. *See* **Dadobayev, G. and Slutsker, A. I.** 1, 33
Slutsker, A. I. *See* **Dadobayev, G. and Slutsker, A. I.** 8, 1837
Slutsker, A. I. *See* **Pichugina, S. V., Lebedev, V. P., Samarskaya, N. I., Batuyeva, L. I., Razinskaya, I. N. and Slutsker, A. I.** 6, 1261
Slutsker, G. Ya. *See* **Pakhomov, P. M. and Slutsker, G. Ya.** 5, 1212
Smetankina, N. P. *See* **Laskovenko, N. N., Smetankina, N. P., Dobrovol'skaya, A. N. and Zapunnaya, K. V.** 4, 769
Smirnov, B. R.: Kinetic description of inhibited radical polymerization considering reagent consumption 4, 987
Smirnov, B. R.: Kinetic parameters of inhibited radical polymerization based on the dependence of the initial rate on the concentration of initiator and monomer 4, 877
Smirnov, K. P. *See* **Andreyeva, L. N., Bushin, S. V., Mashoshin, A. I., Lysenko, Ye. B., Smirnov, K. P., Yemel'yanov, V. N. and Tsvetkov, V. N.** 10, 2405
Smirnov, Yu. N. *See* **Tarasov, V. P., Smirnov, Yu. N., Yerofeyev, L. N., Irzhak, V. I. and Rozenberg, B. A.** 11, 2732
Smirnova, K. N., Zavarova, T. B., Lebedev, V. P., Shevchuk, L. M., Batuyeva, L. I. and Kulikova, A. Ye.: Effect of the physico-mechanical properties of methylmethacrylate, butadiene and styrene copolymers on the impact strength of their compositions with polyvinylchloride 4, 824
Smirnova, L. A., Semchikov, Yu. D., Kamyshenkova, L. I., Sveshnikova, T. G., Yegorochkin, A. N., Kalinina, G. S. and Yegorov, B. A. 5, 1127
Smirnova, L. N. *See* **Pshenistyna, V. P., Molotkova, N. N., Pukhovitskaya, A. N., Smirnova, L. N., Nikishina, E. I. and Potekhina, Ye. S.** 8, 1974
Smirnova, T. F. *See* **Chekushkina, N. G., Sokolov, L. B., Naumov, V. S., Smirnova, T. F. and Zhegalova, N. N.** 1, 158
Smirnova, V. Ye., Bessonov, M. I., Zhukova, T. I., Koton, M. M., Kudryavtsev, V. V., Sklizkova, V. P. and Lebedev, G. A.: The thermomechanical properties of polyimide compositions produced from polyamic acid mixtures 6, 1375
Sokol, A. A. *See* **Bagmut, A. G., Nikitskii, V. P., Pusan, A. F., Svechkin, V. P., Sokol, A. A. and Tartakovskaya, I. Kh.** 4, 861
Sokolov, L. B., Kuritsyn, L. V., Fedotov, Yu. A. and Bobko, L. A.: Reactivity of aromatic oligoamines and oligochlorides on polycondensation in aqueous-organic media 3, 763
Sokolov, V. V. *See* **Bityugin, N. M., Genkin, V. N. and Sokolov, V. V.** 4, 832
Sokolova, L. B. *See* **Chekushkina, N. G., Sokolova, L. B., Naumov, V. S., Smirnova, T. F. and Zhegalova, N. N.** 1, 158
Sokolova, S. G. *See* **Ikonitskii, I. V., Sokolova, S. G., Gorin, Yu. A., Marasanova, N. N. and Ventseslavskaya, K. K.** 7, 1688
Sokolova, L. V. *See* **Kosheleva, I. M., Mekenitskaya, L. I., Sokolova, V. L. and Stefanovskaya, N. N.** 5, 1237
Sokol'skaya, I. B. *See* **Kochervinskii, V. V., Sokol'skaya, I. B., Kireyev, V. V. and Zelenev, Yu. V.** 6, 1443
Soldatov, V. S. *See* **Nizovtseva, O. P., Shunkevich, A. A., Zonov, Yu. G., Krul', L. P. and Soldatov, V. S.** 8, 1797

Solov'eva, K. S., Golubev, V. N., Petrovskii, P. V., Fedin, E. I. and Tsetlin, B. L. 8, 1909
Sorochkin, Yu. B. *See* Yanovskii, Yu. G., Vasin, A. V., Vinogradov, G. V., Bulynko, A. V., Sorochkin, Yu. B. and Fioshina, M. A. 12, 2947
Stadnik, V. P. *See* Nadezhin, Yu. S., Stadnik, V. P., Lukasov, S. V. and Sidorovich, A. V. 12, 2953
Starostina, T. P. *See* Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I., Kamenskii, A. N. and Nefedova, G. Z. 4, 915
Starostina, T. P. *See* Maizel', N. S., Starostina, T. P., Skakal'skaya, L. I. and Nefedova, G. Z. 11, 2718
Startseva, L. T. *See* Perepechko, I. I. and Startseva, L. T. 12, 3009
Stefanovskaya, N. N. *See* Kosheleva, I. M., Mekenitskaya, L. I., Sokolova, V. L. and Stefanovskaya, N. N. 5, 1237
Stepanov, N. G. *See* Shibayev, L. A., Sazanov, Yu. N., Stepanov, N. G., Bulina, T. M., Zhukova, T. I. and Koton, M. M. 12, 2922
Stepanova, T. P. *See* Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Kharitonov, A. V. and Shibayev, V. P. 7, 1664
Stepanova, T. P. *See* Borisova, T. I., Burshtein, L. L., Stepanova, T. P., Freidzon, Ya. S., Shibayev, V. P. and Plate, N. A. 5, 1248
Stepanova, T. P. *See* Burshtein, L. L., Malinovskaya, V. P., Stepanova, T. P., Milovskaya, Ye. B. and Zamoiskaya, L. V. 4, 873
Stepchenkov, A. S. *See* Tsvetkov, V. N., Kolomiets, I. P., Lezov, A. V. and Stepchenkov, A. S. 4, 978
Stetsovskii, A. P.: Temperature coefficient of the activation energy of dipole relaxation and heat expansion of polymers 9, 2277
Stoches, R. N. *See* Pazukhina, L. Yu., Yarysheva, L. M., Stoches, R. N., Bakeyev, N. F. and Kozlov, P. V. 8, 2040
Stoches, R. N. *See* Yarysheva, L. M., Pazukhina, L. Yu., Stoches, R. N., Zavarova, T. B., Bakeyev, N. F. and Kozlov, P. V. 10, 2472
Stogova, Ye. P. and Bartenev, G. M.: Influence of pressure of gaseous media on the relaxation properties of elastomers 9, 2210
Stogova, Ye. P. *See* Bartenev, G. M. and Stogova, Ye. P. 2, 322
Storozhuk, I. P. *See* Shirokhova, L. B., Storozhuk, I. P., Voishchev, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, G. L., Vinogradova, S. V. and Korshak, V. V. 9, 2259
Storozhuk, I. P. *See* Tager, A. A., Adamova, L. V., Kolmakova, L. K., Nokhrina, N. N., Valetskii, P. M., Rogovina, L. Z., and Storozhuk, I. P. 10, 2331
Stotskii, A. A. *See* Panuntseva, T. B., Stotskii, A. A., Mirskova, A. N., Prokopovich, N. N., Makarskii, V. V. and Voronkov, M. G. 1, 22
Streletskii, A. N. *See* Dubinskaya, A. M. and Streletskii, A. N. 9, 2202
Strokova, L. D. *See* Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Filippenko, D. Ya., Strokova, L. D. and Bulgakova, M. A. 3, 549
Stuchebryukov, S. D. *See* Arkhangel'skii, V. V., Rudoi, V. M., Stuchebryukov, S. D. and Ogarev, V. A. 4, 1004
Sumenkov, K. F. *See* Pazinskaya, I. N., Sumenkov, K. F., Plaskina, N. L., Likhterov, V. R., Pomerantseva, E. G. and Shtarkman, B. P. 4, 971
Suprun, A. N. *See* Zhulin, V. M., Makarova, Z. G., Klimentova, N. V., Suprun, A. N., Akopyan, A. N. and Shakhovskoi, G. P. 12, 3015
Sushkov, V. I. *See* Borisov, V. I. and Sushkov, V. I. 2, 481
Sutyagin, V. M., Lopatinskii, V. P. and Filimonov, V. D.: Relation between chemi-

cal shift values in ^{1}H and ^{13}C NMR spectra of vinyl monomers and some parameters of their reactivity in radical polymerization and copolymerization 9, 2252
Svechkin, V. P. *See* **Bagmut, A. G., Nikitskii, V. P., Pusan, V. F., Svechkin, V. P., Sokol, A. A.** and **Tartakovskaya, I. Kh.** 4, 861
Sveshnikova, T. G. *See* **Smirnova, L. A., Semchikov, Yu. D., Kamyshenkova, L. I., Sveshnikova, T. G., Yegorochkin, A. N., Kalinina, G. S.** and **Yegorov, B. A.** 5, 1127
Svyatkina, L. I. *See* **Gorshkov, A. G., Turchaninov, V. K., Svyatkina, L. I., Kurov, G. N.** and **Skvortsova, G. G.** 6, 1274
Syatkovskii, A. I. *See* **Khachaturov, A. S., Abramenko, Ye. L.** and **Syatkovskii, A. I.** 4, 775

Taganov, N. G.: Combination of a gel-chromatograph with an automatic viscometer. Calibration according to molecular weight of the polymer correcting for instrumental broadening 9, 2295
Taganov, N. G.: Distribution of branching centres along macromolecules in branched radical polymerization 2, 445
Taganov, N. G.: Molecular weight distribution and distribution of branching centres along macromolecules during radical polymerization of vinyl monomers with the formation of unsaturated end groups 7, 1767
Tager, A. A., Adamova, L. V., Kolmakova, L. K., Nokhrina, N. N., Valetskii, P. M., Rogovina, L. Z. and **Storozhuk, I. P.:** Thermodynamics of the compatibility of blocks in blick copolymers 10, 2331
Tager, A. A., Vshivkov, S. A. and **Polyak, O. E.:** Study of phase equilibrium by refractometry and the determination of second virial coefficients of polymer–plasticizer systems 3, 738
Tager, A. A. *See* **Andreyeva, V. M., Konevets, B. I., Tager, A. A., Vygodskii, Ya. S.** and **Vinogradova, S. V.** 6, 1456
Tager, A. A. *See* **Vinogradova, Ye. L., Mal'ko, Ye. L., Dumpis, Yu. Ya.** and **Tager, A. A.** 10, 2452
Tager, A. A. *See* **Yushkova, S. M., Tager, A. A., Bessonov, Yu. S., Guzeyev, V. V.** and **Yezhov, V. S.** 7, 1557
Tantsyrev, G. D. and **Povolotskaya, M. I.:** Study of mixtures of polyoxyethylene and polydeuteroethylene by secondary emission mass-spectrometry 2, 487
Tarakanov, O. G. *See* **Brandman, G. S., Shamov, I. V.** and **Tarakanov, O. G.** 5, 1042
Tarakanov, O. G. *See* **Dement'ev, A. G.** and **Tarakanov, O. G.** 7, 1585
Tarasov, B. F. *See* **Kurzin, S. P., Tarasov, B. F., Fatkullin, N. F.** and **Aseyeva, R. M.** 1, 134
Tarasov, V. P., Smirnov, Yu. N., Yerofeyev, L. N., Irzhak, V. I. and **Rozenberg, B. A.:** On the nature of segmental mobility of dense-network epoxy polymers 11, 2732
Tarasova, G. I. *See* **Dontsov, A. A., Tarasova, G. I.** and **Lapshova, A. A.** 9, 2166
Tartakovskaya, I. Kh. *See* **Bagmut, A. G., Nikitskii, V. P., Pusan, V. F., Svechkin, V. P., Sokol, A. A.** and **Tartakovskaya, I. Kh.** 4, 861
Tatarinov, B. A. *See* **Krul', L. P., Matusevich, P. A., Skorobogatova, L. I.** and and **Tatarinov, B. A.** 3, 641
Tatarova, L. A., Yermakova, T. G., Berlin, Al. Al., Razvodovskii, Ye. F., Lopyrev, V. A., Kedrina, N. F. and **Yenikolopyan, N. S.:** Kinetics of radical polymerization of 1-vinyl-1,2,4-triazole 10, 2529
Tavrin, A. Ye. *See* **Andreyev, O. P., Guryleva, A. A.** and **Tavrin, A. Ye.** 6, 1518
Tebenova, N. A. *See* **Tverdokhlebova, I. I., Kotrelev, G. V., Tebenova, N. A., Larina, T. A., Pertsova, N. V.** and **Zhdanov, A. A.** 8, 2005

Teplyakov, M. M. *See* **Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M.** and **Yunnikov, V. V.** 8, 1934
Teplyakov, M. M. *See* **Korshak, V. V., Teplyakov, M. M.** and **Dvorikova, R. A.** 2, 293
Teplov, B. F. *See* **Novikova, L. V., Ovchinnikov, Yu. V.** and **Teplov, B. F.** 11, 2826
Tichagova, Ye. R. *See* **Afanasyeva, N. V., Borisova, T. I., Tichagova, Ye. R., Shevelev, V. A., Titova, N. V.** and **Yeliseyeva, V. I.** 5, 1159
Timofeyeva, G. E. *See* **Magarik, S. Ya.** and **Timofeyeva, G. F.** 5, 1258
Timofeyeva, G. I. *See* **Badamshina, E. R., Timofeyeva, G. I., Korshak, Yu. V., Berlin, Al. Al., Vdovin, V. M., Kutepov, D. F.** and **Pavlova, S.-S. A.** 1, 164
Timofeyeva, G. I. *See* **Pavlova, S.-S. A., Timofeyeva, G. I.** and **Akopyan, G. V.** 1, 185
Timofeyeva, G. N. and **Aver'yanova, V. M.**: Influence of the nature of the solvent on the processes of structuring in solutions of cellulose acetates 11, 2598
Titova, N. V. *See* **Afanasyeva, N. V., Borisova, T. I., Tichagova, Ye. R., Shevelev, V. A., Titova, N. V.** and **Yeliseyeva, V. I.** 5, 1159
Titova, V. A., Zegel'man, V. I., Pessina, A. Ya., Popov, V. A. and **Bort, D. N.**: Effect of the nature of the initiator on the kinetics of polymerization of vinylchloride at high conversions and on the thermal stability of polyvinylchloride 6, 1360
Tkacheva, I. I. *See* **Grishchenko, A. Ye., Kotov, L. N., Afonin, S. N., Budovskaya, L. D., Ivanova, V. N., Tkacheva, I. I.** and **Skazka, V. S.** 9, 2128
Tkachuk, B. V.: Study of the structure of thin polysiloxane films prepared in discharge plasma at low temperatures 12, 2864
Tokarev, A. V. *See* **Shablygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhin, A. V. Tokarev, A. V.** and **Kudryavtsev, G. I.** 6, 1388
Topolkarayev, V. A. *See* **Chepel', L. M., Topolkarayev, V. A., Zelenetskii, A. N., Prut, E. V., Trofimova, G. M., Novikov, D. D.** and **Berlin, Al. Al.** 8, 1873
Toptygin, D. Ya. *See* **Ledneva, O. A., Pariiskii, G. B., Trezov, V. V.** and **Toptygin, D. Ya.** 2, 393
Toptygin, D. Ya. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M.** and **Toptygin, D. Ya.** 3, 686
Toptygin, D. Ya. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M.** and **Toptygin, D. Ya.** 6, 1407
Toptygin, D. Ya. *See* **Makarov, G. G., Mikheyev, Yu. A., Pariiskii, G. B., Postnikov, L. M.** and **Toptygin, D. Ya.** 12, 2991
Toptygin, D. Ya. *See* **Mikheyev, Ye. A., Rogova, L. S., Guseva, L. N.** and **Toptygin, D. Ya.** 5, 1176
Toptygin, D. Ya. *See* **Pokholok, T. V., Zaitseva, N. I., Pariiskii, G. B.** and **Toptygin, D. Ya.** 2, 378
Trapeznikov, A. A. *See* **Khabarova, T. I.** and **Trapeznikov, A. A.** 7, 1709
Trapeznikov, V. A. *See* **Kodolov, V. I., Lyakhovich, A. M., Tyurin, S. A., Shabanova, I. N., Lipanov, A. M.** and **Trapeznikov, V. A.** 4, 855
Travin, S. O. *See* **Skurlatov, Yu. I., Kokorin, A. I., Travin, S. O., Kirsh, Yu. E.** and **Purmal', A. P.** 9, 2143
Treushnikov, V. M., Frolova, N. V., Gusarskaya, N. L. and **Oleinik, A. V.**: Photooxidation of 2,6-di-(4'-azidobenzal) cyclohexanone in polystyrene films 8, 1845
Trezov, V. V. *See* **Ledneva, O. A., Pariiskii, G. B. Trezov, V. V.** and **Toptygin, D. Ya.** 2, 393
Trofimova, G. M. *See* **Chepel', L. M., Topolkarayev, V. A., Zelenetskii, A. N., Prut, E. V., Trofimova G. M., Novikov, D. D.** and **Berlin, Al. Al.** 8, 1873
Troitskaya, L. S. *See* **Troitskii, B. B., Troitskaya, L. S., Denisova, V. N.** and **Razuvayev, G. A.** 12, 2849

Troitskii, B. B., Troitskaya, L. S., Denisova, V. N. and **Razuvayev, G. A.**: Study of the mechanism of the synergistic action of mixtures of zinc salts of organic acids and polyols during thermal degradation of polyvinyl chloride **12,** 2849
Trostyanskaya, Ye. B., Babayevskii, P. G., Kulik, S. G., Babayevskaya, I. Ya. and **Matveyev, V. V.**: Phase structure and properties of cured oligomer–polymer compositions **7,** 1655
Tsapovetskii, M. I. and **Laius, L. A.**: Analysis of the thermal cyclization kinetics of solid-state polyamic acids **5,** 1103
Tsarik, L. Ya. *See* **Grigor'eva, V. A., Vokina, O. G., Tsarik, L. Ya.** and **Baturin, S. M.** **12,** 2903
Tsarik, L. Ya. *See* **Vokina, O. G., Tsarik, L. Ya., Kalabina, A. V.** and **Kuzayev, A. I.** **7,** 1563
Tsetlin, B. L. *See* **Solov'eva, K. S., Golubev, V. N., Petrovskii, P. V., Fedin, E. I.** and **Tsetlin, B. L.** **8,** 1909
Tsobkallo, Ye. S. *See* **Pakhomov, P. M., Korsukov, V. Ye.,** and **Tsobkallo, Ye. S.** **2,** 468
Tsoi, B. *See* **Bartenev, G. M., Karimov, S. N., Narzullayev, B. N., Tsoi, B.** and **Shermatov, D.** **9,** 2267
Tsvetkov, V. N., Kolomiets, I. P., Lezov, A. V. and **Stepchenkov, A. S.**: Electrical birefringence of solutions of aromatic polyamide hydrazide in dimethyl sulphoxide **4,** 978
Tsvetkov, V. N., Lavrenko, P. N., Pavlov, G. M., Bushin, S. V., Astapenko, E. P., Boikov, A. A., Shil'dyayeva, N. A., Didenko, S. A. and **Malichenko, B. F.**: Sedimentational-diffusional and viscometric studies on solutions of poly-*m*-phenylene isophthalamide and the equilibrium rigidity of its molecules **11,** 2689
Tsvetkov, V. N. *See* **Andreyeva, L. N., Bushin, S. V., Mashoshin, A. I., Lysenko, Ye. B., Smirnov, K. P., Yemel'yanov, V. N.** and **Tsvetkov, V. N.** **10,** 2405
Tsvetkov, V. N. *See* **Bushin, S. V., Korneyeva, Ye. V., Konstantinov, I. I., Amerik, Yu. B., Didenko, S. A., Shtennikova, I. N.** and **Tsvetkov, V. N.** **7,** 1671
Tsvetkov, V. N. *See* **Pogodina, N. V.** and **Tsvetkov, V. N.** **11,** 2606
Tsvetkov, V. N. *See* **Pogodina, N. V., Lavrenko, P. N., Pozhivilko, K. S., Mel'nikov, A. B., Kolobova, T. A., Marchenko, G. N.** and **Tsvetkov, V. N.** **2,** 358
Tur, D. R. and **Vinogradova, S. V.**: Some problems in the synthesis of polyphosphazenes and possible solutions. Review **11,** 2572
Turchaninov, V. K. *See* **Gorshkov, A. G., Turchaninov, V. K., Svyatkina, L. I., Kurov, G. N.** and **Skvortsova, G. G.** **6,** 1274
Turekhanov, T. M. and **Iriskina, L. B.**: Testing of organic compounds as stabilizers of polymer materials **3,** 528
Turetskii, L. V. *See* **Shibanova, N. A., Zhitinkina, A. K., Turetskii, L. V.** and **Varentsova, N. V.** **11,** 2768
Tuzhikov, O. I. *See* **Khardin, A. P., Tuzhikov, O. I.** and **Lemasov, A. I.** **9,** 2115
Tverdokhlebova, I. I., Kotrelev, G. V., Tebenova, N. A., Larina, T. A., Pertsova, N. V. and **Zhdanov, A. A.**: Mechanism of chain propagation and termination in polymerization-exchange reactions of synthesis of polydimethylsilazasiloxanes **8,** 2005
Tverskoi, V. A. *See* **Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A.** and **Pravednikov, A. N.** **4,** 894
Tyulenev, A. I. *See* **Priss, L. S., Tyulenev, A. I.** and **Vishnyakov, I. I.** **1,** 59
Tyulina, R. M. *See* **Brukh, S. V., Vlasov, S. V., Kuleznev, V. N.** and **Tyulina, R. M.** **5,** 1056
Tyurin, S. A. *See* **Kodolov, V. I., Lyakhovich, A. M., Tyurin, S. A., Shabanova, I. N., Lipanov, A. M.** and **Trapeznikov, V. A.** **4,** 855
Tyutnev, A. P., Sayenko, V. S. and **Pozhidayev, Ye. D.**: The electro-conductance by non-polar polymers bombarded with low-energy electrons **1,** 111

Tyutnev, A. P., Sayenko, V. S. and **Pozhidayev, Ye. D.**: The electro-conductance of polyethylene terephthalate induced by low-energy electron bombardment 1, 120
Tyutnev, A. P. *See* **Sayenko, V. S., Sichkar', V. P., Tyutnev, A. P.** and **Pozhidayev, Ye. D.** 7, 1754

Urman, Ya. G.: Study of unit heterogeneity of polyheteroarylenes by NMR spectroscopy. Review 9, 2047
Urman, Ya. G. *See* **Bulai, A. Kh., Urman, Ya. G., Medvedeva, F. M., Slonim, I. Ya.** and **Pin, L. D.** 9, 2149
Urman, Ya. G. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye.** and **Gol'der, M. M.** 5, 1218
Urman, Ya. G. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Bolotina, L. M., Reitburd, L. Ye., Gol'der, M. M., Shapovalova, A. N.** and **Sivakova, R. N.** 5, 1183
Urman, Ya. G. *See* **Bulai, A. Kh., Urman, Ya. G., Slonim, I. Ya., Filippenko, D. Ya., Strokova, L. D.** and **Bulgakova, M. A.** 3, 549
Urman, Ya. G. *See* **Korshak, V. V., Markova, G. D., Slonim, I. Ya., Vasnev, V. A., Vinogradova, S. V., Urman, Ya. G.** and **Bulai, A. Kh.** 6, 1437
Urman, Ya. G. *See* **Korshak, V. V., Vinogradova, S. V., Vasnev, V. A., Gogiashvili, T. M., Slonim, I. Ya., Urman, Ya. G.** and **Bulai, A. Kh.** 2, 350
Usichenko, V. M. *See* **Zhorin, V. A., Usichenko, V. M., Budnitskii, Yu. M., Akutin, M. S.** and **Yenikolopyan, N. S.** 9, 2160
Usmanov, S. N. *See* **Yul'chibayeva, S. G., Muratov, A., Yul'chibayev, A. A.** and **Usmanov, S. N.** 4, 800
Uvarov, A. V. *See* **Yushchenko, T. S., Uvarov, A. V.** and **Livshits, R. M.** 9, 2287

Vakhtina, I. A., Shirokova, G. V. and **Okuneva, A. G.**: Determining the properties of mono-functional components in oligoesters by thin-layer chromatography 9, 2290
Valetskii, P. M. *See* **Shirokova, L. B., Storozhuk, I. P., Voishchev, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, G. L., Vinogradova, S. V.** and **Korshak, V. V.** 9, 2259
Valetskii, P. M. *See* **Tager, A. A., Adamova, L. V., Kolmakova, L. K., Nokhrina, N. N., Valetskii, P. M., Rogovina, L. Z.** and **Storozhuk, I. P.** 10, 2331
Valetskii, P. M. *See* **Voishchev, V. S., Valetskii, P. M., Sidorenko, V. I., Voishcheva, O. V., Vinogradova, S. V.** and **Korshak, V. V.** 10, 2537
Valuyev, L. I. *See* **Burdygina, I. F., Chupov, V. V., Valuyev, L. I., Aleksandrova, L. B., Golubev, V. B.** and **Plate, N. A.** 2, 406
Valuyev, V. I., Dmitriyeva, T. S., Shlyakhter, R. A., Yatsimirskaya, T. S., Boiko, V. P. and **Grishchenko, V. K.**: Study of oligomerization of isoprene on initiation with hydrogen peroxide 6, 1312
Varentsova, N. V. *See* **Shibanova, N. A., Zhitinkina, A. K., Turetskii, L. V.** and **Varentsova, N. V.** 11, 2768
Vashkevich, V. A. *See* **Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A.** and **Pravednikov, A. N.** 4, 894
Vasil'ev, A. Ye. *See* **Plate, N. A.** and **Vasil'ev, A. Ye.** 4, 743
Vasil'ev, P. I. *See* **Kholodenko, B. V., Vasil'ev, P. I.** and **Andrianova, G. P.** 3, 613
Vasil'ev, V. G. *See* **Rogovina, L. Z., Vasil'ev, V. G.** and **Slonimskii, G. L.** 2, 264
Vasil'eva, N. V. *See* **Kulichikhina, T. A., Platonov, V. A., Vasil'eva, N. V., Kogan, Ye. G., Kulichikhin, V. G., Kalmykova, V. D., Volokhina, A. V.** and **Papkov, S. P.** 5, 1085

Vasin, A. V. *See* Yanovskii, Yu. G., Vasin, A. V., Vinogradov, G. V., Bulynko, A. V., Sorochkin, Yu. B. and Fioshina, M. A. 12, 2947
Vasnev, V. A. *See* Korshak, V. V., Markova, G. D., Slonim, I. Ya., Vasnev, V. A., Vinogradova, S. V., Urman, Ya. G. and Bulai, A. Kh. 6, 1437
Vasnev, V. A. *See* Korshak, V. V., Vinogradova, S. V., Vasnev, V. A., Gogiashvili, T. M., Slonim, I. Ya., Urman, Ya. G. and Bulai, A. Kh. 2, 350
Vasserman, A. M. *See* Aleksandrova, T. A., Karaputadze, T. M., Shapiro, A. B., Kirsh, Yu. E. and Vasserman, A. M. 11, 2725
Vasserman, A. M. *See* Barashkova, I. I., Kovarskii, A. L. and Vasserman, A. M. 1, 105
Vasserman, A. M. *See* Livshits, V. A., Kuznetsov, V. A., Barashkova, I. I. and Vasserman, A. M. 5, 1227
Vavrukh, A. T. *See* Makogon, B. P. and Vavrukh, A. T. 12, 3034
Vdovin, V. M. *See* Badamshina, E. R., Timofeyeva, G. I., Korshak, Yu. V., Berlin, Al. Al., Vdovin, V. M., Kutepov, D. F. and Pavlova, S.-S. A. 1, 164
Vdovina, L. I. *See* Sergeyev, V. A., Vdovina, L. I. and Kononenko, N. E. 6, 1480
Ventseslavskaya, K. K. *See* Ikonitskii, I. V., Sokolova, S. G., Gorin, Yu. A., Marasanova, N. N. and Ventseslavskaya, K. K. 7, 1688
Vettegren', V. I., Kusov, A. A., Korzhavin, L. N. and Frenkel', S. Ya.: Relation between strength and elastic properties of polymers 9, 2241
Veveris, G. P. *See* Ioelovich, M. Ya., Kaimin', I. F. and Veveris, G. P. 6, 1382
Vinitskaya, Ye. L. *See* Razumovskii, S. D., Vinitskaya, Ye. L., Kefeli, A. A., Gurvich, Ya. A. and Zaikov, G. Ye. 6, 1397
Vinogradov, G. V., Kurbanaliev, M. K., Dreval', V. Ye. and Borisenkova, Ye. K.: Features of strain-strength properties of butadiene–styrene block copolymers under uniaxial stretching 1, 90
Vinogradov, G. V. *See* Krasnikova, N. P., Dreval', V. Ye., Kotova, Ye. V., Plotnikova, Ye. P., Vinogradov, G. V., Belov, G. P. and Pel'tsbauer, Z. 7, 1617
Vinogradov, G. V. *See* Lachinov, M. B., Korolev, B. A., Dreval', V. Ye., Cherep, Ye. I., Zubov, V. P., Vinogradov, G. V. and Kabanov, V. A. 10, 2547
Vinogradov, G. V. *See* Yanovskii, Yu. G., Vinogradov, G. V. and Ivanova, L. I. 5, 1194
Vinogradov, G. V. *See* Yanovskii, Yu. G., Vasin, A. V., Vinogradov, G. V., Bulynko, A. V., Sorochkin, Yu. B. and Fioshina, M. A. 12, 2947
Vinogradova, O. V. *See* Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M., Khotina, I. A. and Yunnikov, V. V. 8, 1934
Vinogradova, S. V. *See* Andreyeva, V. M., Konevets, B. I., Tager, A. A., Vygodskii, Ya. S. and Vinogradova, S. V. 6, 1457
Vinogradova, S. V. *See* Korshak, V. V., Markova, G. D., Slonim, I. Ya., Vasnev, V. A., Vinogradova, S. V., Urman, Ya. G. and Bulai, A. Kh. 6, 1437
Vinogradova, S. V. *See* Korshak, V. V., Vinogradova, S. V., Vasnev, V. A., Gogiashvili, T. M., Slonim, I. Ya., Urman, Ya. G. and Bulai, A. Kh. 2, 350
Vinogradova, S. V. *See* Shirokova, L. B., Storozhuk, I. P., Voishcheva, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimski, G. L., Vinogradova, S. V. and Korshak, V. V. 9, 2259
Vinogradova, S. V. *See* Tur, D. R. and Vinogradova, S. V. 11, 2572
Vinogradova, S. V. *See* Voishchev, S. V., Valetskii, P. M., Sidorenko, V. I., Voishcheva, O. I., Vinogradova, S. V. and Korshak, V. V. 10, 2537
Vinogradova, Ye. L., Mal'ko, Y. I., Dumpis, Yu. Ya. and Tager, A. A.: Influence of the porosity of carboxyl cationites of Solose K on the diffusion and kinetics of H_2O sorption 10, 2452

Vishnevskaya, G. P., Molochnikov, L. S., Safin, R. Sh. and **Balakin, S. M.:** Study of complex-formation on copper (II) with ampholytes containing nitrogen-phosphorus **3,** 678
Vishnevskii, G. Ye. *See* **Zadorina, Ye. N., Vishnevskii, G. Ye., Isayev, K. S., Sakunenko, Yu. I., Mikitayeva, N. K.** and **Zelenev, Yu. V.** **5,** 1067
Vishnyakov, I. I. *See* **Priss, L. S., Tyulenev, A. I.** and **Vishnyakov, I. I.** **1,** 59
Vladimirov, L. V. *See* **Markevich, M. A., Berlin, Al. Al., Oshmyan, V. G., Sakhonenko, L. S., Novikov, D. D.** and **Vladimirov, L. V.** **8,** 1979
Vladimirov, Yu. I. *See* **Fridman, O. A., Naimark, N. I., Malinin, L. N.** and **Vladimirov, Yu. I.** **3,** 565
Vlasov, S. V. *See* **Brukh, A., Vlasov, S. V., Kuleznev, V. N.** and **Tyulina, R. M.** **5,** 1056
Vointseva, I. I. *See* **Askadskii, A. A., Vointseva, I. I., Mustafayeva, B. B., Kazantseva, V. V.** and **Slonimskii, G. L.** **11,** 2813
Voishchev, V. S., Valetskii, P. M., Sidorenko, V. I., Voishcheva, O. V., Vinogradova, S. V. and **Korshak, V. V.:** Electrophysical properties and molecular mobility of carborane-containing polyheteroarylenes **10,** 2537
Voishchev, V. S. *See* **Shirokhova, L. B., Storozhuk, I. P., Voishchev, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimski, G. L., Vinogradova, S. V.** and **Korshak, V. V.** **9,** 2259
Voishcheva, O. I. *See* **Voishchev, S. V., Valetskii, P. M., Sidorenko, V. I., Voishcheva, O. I., Vinogradova, S. V.** and **Korshak, V. V.** **10,** 2537
Vokina, O. G., Tsarik, L. Ya., Kalabina, A. V. and **Kuzayev, A. I.:** Synthesis of porous reticular copolymers of divinyl ethers of hydroquinone and diethylene glycol and their testing as sorbents in liquid chromatography **7,** 1563
Vokina, O. G. *See* **Grigor'eva, V. A., Vokina, O. G., Tsarik, L. Ya.** and **Baturin, S. M.** **12,** 2903
Vol'fson, S. I., Karp, M. G. and **Kirpichnikov, P. A.:** Kinetics of changes in molecular characteristics of isoprene rubber (SKI-3) during melting **4,** 945
Volkov, V. P., Naidovskii, Ye. S., Komarov, B. A., Kuzayev, A. I. and **Rozenberg, B. A.:** Kinetic features of the non-catalytic reaction of phenol with phenylglycidyl ether **12,** 2895
Volkov, V. P. *See* **Derinovskii, V. S., Zakirov, I. N., Lantsov, V. M., Volkov, V. P.** and **Rozenberg, B. A.** **11,** 2747
Volkov, V. Ya. *See* **Naryshkina, Ye. P., Volkov, V. Ya., Dolinnyi, A. I.** and **Izmailova, V. N.** **9,** 2182
Volkova, A. V.: Results of study of intermolecular interaction in polyarylates **10,** 2326
Volkova, L. A., Andreyeva, N. A., Podol'skii, A. F., Bitsenko, M. I. and **Eskin, V. Ye.:** Investigation of the mesomorphic properties of solutions of an isoprene–α-methylstyrene–isoprene triblock copolymer **6,** 1327
Volokhina, A. V. *See* **Korshak, V. V., Berestneva, G. L., Volokhina, A. V., Raskina, A. B., Bibileishvili, D. V., Petrovskii, N. P., Astaf'ev, S. A., Okromchedlidze, N. P.** and **Kudryavtsev, G. I.** **1,** 41
Volokhina, A. V. *See* **Kulichikhina, T. A., Platonov, V. A., Vasil'eva, N. V., Kogan, Ye. G., Kulichikhin, V. G., Kalmykova, V. D., Volokhina, A. V.** and **Papkov, S. P.** **5,** 1085
Volokhina, A. V. *See* **Shablygin, M. V., Belousova, T. A., Nikitina, O. A., Bondareva, L. V., Bondarenko, O. A., Volokhina, A. V., Tokarev, A. V.** and **Kudryavtsev, G. I.** **6,** 1388
Volynskii, A. L., Aleskerov, A. G. and **Bakeyev, N. F.:** The mechanical properties of highly dispersed oriented polyethylene terephthalate **9,** 2120
Volynskii, A. L., Grokhovskaya, T. Ye., Shitov, N. A. and **Bakeyev, N. F.:** Structu-

rization of low molecular weight inorganic compounds introduced into polymers during their deformation in liquid media 6, 1430
Volynskii, A. L., Lukovkin, G. M., Yarysheva, L. M., Pazukhina, L. Yu., Kozlov, P. V. and Bakeyev, N. F.: Reasons for lowering of mechanical properties of polymers during deformation in adsorption-active media 11, 2706
Volynskii, A. L. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Lukovskii, G. M., Volynskii, A. L., Bakeyev, N. F. and Kozlov, P. V.** 10, 2464
Vorona, V. V. *See* **Matyushov, V. F., Dronov, S. V. and Vorona, V. V.** 12, 2882
Voronkov, M. V. *See* **Panuntseva, T. B., Stotskii, A. A., Mirskova, A. N., Prokopovich, N. N., Makarskii, V. V. and Voronkov, M. V.** 1, 22
Voronkova, O. S., Daurova, T. T., Moiseyev, Yu. V. and Gumargalieva, K. Z.: The degradation of polyethylene terephthalate in the presence of bacterial infection 7, 1604
Vorontsov, Ye. D. *See* **Mosalova, L. F., Kruglova, N. A., Savinova, I. V., Vorontsov, Ye. D. and Yevdakov, V. P.** 1, 205
Voskanyan, P. S. *See* **Korshak, V. V., Shtil'man, M. I., Voskanyan, P. S. and Denisova, L. A.** 12, 3030
Voskresenskii, V. A. *See* **Khozin, V. G., Polyanskii, A. A., Budnik, Yu. M. and Voskresenskii, V. A.** 11, 2646
Vshivkov, S. A. *See* **Tager, A. A., Vshivkov, S. A. and Polyak, O. E.** 3, 738
Vygodskii, Ya. S. *See* **Andreyeva, V. M., Konevets, B. I., Tager, A. A., Vygodskii, Ya. S. and Vinogradova, S. V.** 6, 1457

Williams, H. L. *See* **Miroshnikov, Yu. P. and Williams, H. L.** 8, 1811
Williams, H. L. *See* **Miroshnikov, Yu. P. and Williams, H. L.** 8, 1825

Yagfarov, M. Sh.: Recrystallization phenomena in high molecular weight compounds and their role in dynamics of melting 12, 2915
Yakobson, G. G. *See* **Gil'man, A. B., Shifrina, R. R., Dvornikova, K. V., Kolotyrkin, V. M., Platonov, V. Ye., Potapov, V. K. and Yakobson, G. G.** 1, 178
Yampol'skii, Yu. P., Durgar'yan, S. G. and Nametkin, N. S.: Coefficients of transitional and rotational diffusion of low-molecular compounds in polymers with various glass transition temperatures 3, 592
Yanborisov, V. M. *See* **Lisitskii, V. V., Yanborisov, V. M., Berlin, Al. Al. and Minsker, K. S.** 5, 1047
Yanborisov, V. M. *See* **Minsker, K. S., Yel'yashevich, A. M., Yanborisov, V. M. and Sangalov, Yu. A.** 12, 2985
Yanovskii, Yu. G., Vasin, A. V., Vinogradov, G. V., Bulynko, A. V., Sorochkin, Yu. B. and Fioshina, M. A.: Viscoelastic properties of plastisols based on the copolymer of methyl methacrylate and methacrylic acid during their transition to plastigels 12, 2947
Yanovskii, Yu. G., Vinogradov, G. V. and Ivanova, L. I.: Visco-elastic properties of linear polymers and their mixtures with narrow molecular weight distribution 5, 1194
Yarkov, S. P. *See* **Roginskii, V. A., Shanina, Ye. L., Yarkov, S. P. and Miller, V. B.** 6, 1402
Yarysheva, L. M., Pazukhina, L. Yu., Lukovkin, G. M., Volynskii, A. L., Bakeyev, N. F. and Kozlov, P. V.: Features of the development of forced elastic deformation during the stretching of glasslike polyethyleneterephthalate in an adsorption-active medium 10, 2464

Yarysheva, L. M., Pazukhina, L. Yu., Stoches, R. N., Zavarova, T. B., Bakeyev, N. F. and Kozlov, P. V.: The mechanical behaviour of polyvinyl chloride and of PVC blended with a rubber modifier over a wide range of deformation rates **10,** 2472
Yarysheva, L. M. *See* **Pazukhina, L. Yu., Yarysheva, L. M., Stoches, R. N., Bakeyev, N. F. and Kozlov, P. V.** **8,** 2040
Yarysheva, L. M. *See* **Volynskii, A. L., Lukovkin, G. M., Yarysheva, L. M., Pazukhina, L. Yu., Kozlov, P. V. and Bakeyev, N. F.** **11,** 2706
Yasina, L. L. and Pudov, V. S.: Aspects of the oxidation of poly-4-methylpentene-1 **3,** 541
Yasina, L. L. *See* **Onishchuk, V. A., Pudov, V. S., Shantarovich, V. P. and Yasina, L. L.** **12,** 2966
Yatsimirskaya, T. S. *See* **Valuyev, V. I., Dmitriyeva, T. S., Shlyakhter, R. A., Yatsimirskaya, T. S., Boiko, V. P. and Grishchenko, V. K.** **6,** 1312
Yefimov, A. V., Bondarev, V. V., Kozlov, P. V. and Bakeyev, N. F.: The influence of liquid plasticizing media on the deformation of crystalline polyolefines **8,** 1927
Yegorochkin, A. N. *See* **Smirnova, L. A., Semchikov, Yu. D., Kamyshenkova, L. I., Svehnikova, T. G., Yegorochkin, A. N., Kalinina, G. S. and Yegorov, B. A.** **5,** 1127
Yegorenkov, N. I., Kuzavkov, A. I. and Doktorova, V. A.: Contact oxidation and adhesion to steel of polyethylene coatings **12,** 2840
Yegorov, B. A. *See* **Smirnov, L. A., Semchikov, Yu. D., Kamyshenkova, L. I., Sveshnikova, T. G., Yegorochkin, A. N., Kalinina, G. S. and Yegorov, B. A.** **5,** 1127
Yegorov, Ye. A. and Zhizhenkov, V. V.: The glass transition process with oriented, flexible polymers **1,** 77
Yelinek, V. I. *See* **Ivanilova, O. T., Korshak, V. V., Gashnikova, N. P., Litvinova, L. F., Yelinek, V. I. and Chuchin, A. Ye.** **2,** 423
Yeliseyeva, V. I. *See* **Afanasyeva, N. V., Borisova, T. I., Tichagova, Ye. R., Shevelev, V. A., Titova, N. V. and Yeliseyeva, V. I.** **5,** 1159
Yel'yashevich, A. M. *See* **Minsker, K. S., Yel'yashevich, A. M., Yanborisov, V. M. and Sangalov, Yu. A.** **12,** 2985
Yemel'yanov, V. N. *See* **Andreyeva, L. N., Bushin, S. V., Mashoshin, A. I., Lysenko, Ye. B., Smirnov, K. P., Yemel'yanov, V. N. and Tsvetkov, V. N.** **10,** 2405
Yenikolopyan, N. S. *See* **Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S. and Yenikolopyan, N. S.** **1,** 211
Yenikolopyan, N. S. *See* **Tatarova, L. A., Yermakova, T. G., Berlin, Al. Al., Razvodovskii, Ye. F., Lopyrev, V. A., Kedrina, N. F. and Yenikolopyan, N. S.** **10,** 2529
Yenikolopyan, N. S. *See* **Zarkhina, T. S., Zelenetskii, A. N., Zarkhin, L. S., Karmilova, L. V., Prut, E. V. and Yenikolopyan, N. S.** **3,** 647
Yanikolopyan, N. S. *See* **Zhorin, V. A., Beshenko, S. I., Berlin, Yu. A. and Yenikolopyan, N. S.** **11,** 2641
Yenikolopyan, N. S. *See* **Zhorin, V. A., Godovskii, Yu. K. and Yenikolopyan, N. S.** **5,** 1073
Yenikolopyan, N. S. *See* **Zhorin, V. A., Usichenko, V. M., Budnitskii, Yu. M., Akutin, M. S. ynd Yenikolopyan, N. S.** **9,** 2160
Yenikolopyan, N. S. *See* **Zhorin, V. A., Kulakov, V. V., Mironov, N. A., Nikol'skii, V. G., Chebotarevskii, A. E. and Yenikolopyan, N. S.** **5,** 1081
Yepifanov, V. P.: Acoustic studies of the structural change on stretching in highly filled polymeric rubber based composites **7,** 1572
Yeremin, V. S. *See* **Shirokova, L. B., Storozhuk, I. P., Voishchev, V. S., Beloglazov, V. A., Yeremin, V. S., Valetskii, P. M., Rogovina, L. Z., Slonimskii, G. L., Vinogradova, S. V. and Korshak, V. V.** **9,** 2259

Yermakova, T. G. *See* **Tatarova, L. A., Yermakova, T. G., Berlin, Al. Al., Razvodovskii, Ye. F., Lopyrev, V. A., Kedrina, N. F.** and **Yenikolopyan, N. S.** 10, 2529
Yermilova, N. V. *See* **Zoteyev, N. P., Bartenev, G. M., Yermilova, N. V.** and **Zoteyeva, O. I.** 6, 1488
Yermolenko, I. N. *See* **Kalutskaya, E. P., Gusev, S. S., Shpilevskaya, L. Ye.** and **Yermolenko, I. N.** 6, 1279
Yerofeyev, L. N. *See* **Tarasov, V. P., Smirnov, Yu. N., Yerofeyev, L. N., Irzhak, V. I.** and **Rozenberg, B. A.** 11, 2732
Yerukhimovich, I. Ya.: Effect of chemical structure of two-component melts of heteropolymers on the formation of domain structure 9, 2232
Yerukhimovich, I. Ya.: Fluctuations and the formation of domain structure in heteropolymers 9, 2223
Yevdakov, V. P. *See* **Mosalova, L. F., Kruglova, N. A., Savinova, I. V., Vorontsov, Ye. D.** and **Yevdakov, V. P.** 1, 205
Yevreinov, V. V. *See* **Filatova, N. N., Rossina, D. Ya., Yevreinov, V. V.** and **Entelis, S. G.** 5, 1144
Yevreinov, V. V. *See* **Gorshkov, A. V., Yevreinov, V. V.** and **Entelis, S. G.** 3, 578
Yevstropov, A. A., Lebedev, B. V., Kulagina, T. G. and **Lebedev, N. K.**: The calorimetric study in the 13·8–340°K range of δ-valerolactone, its polymer, and of the δ-valerolactone polymerization 3, 628
Yezhov, V. S. *See* **Yushkova, S. M., Tager, A. A., Bessonov, Yu. S., Guzeyev, V. V.** and **Yezhov, V. S.** 7, 1557
Yezhova, Ye. A. *See* **Byrikhin, V. S., Maloshitskii, A. A., Murachev, V. B., Yezhova, Ye. A.** and **Pravednikov, A. N.** 9, 2272
Yul'chibayev, A. A. *See* **Yul'chibayeva, S. G., Muratov, A., Yul'chibayev, A. A.** and **Usmanov, S. N.** 4, 800
Yul'chibayeva, S. G., Muratov, A., Yul'chibayev, A. A. and **Usmanov, S. N.**: Supermolecular structure of graft copolymers of cotton and cellulose hydrate fibres with certain fluorine-containing polymers 4, 800
Yunnikov, V. V. *See* **Korshak, V. V., Gribova, I. A., Kolosova, T. A., Vinogradova, O. V., Sergeyev, V. A., Nedel'kin, V. I., Teplyakov, M. M., Khotina, I. A.** and **Yunnikov, V. V.** 8, 1934
Yushchenko, T. S., Uvarov, A. V. and **Livshits, R. M.**: Method for the study of kinetics of photopolymerization in the lower layer of pigmented films 9, 2287
Yushkova, S. M., Tager, A. A., Bessonov, Yu. S., Guzeyev, V. V. and **Yezhov, V. S.**: Effect of the thermodynamic affinity of plasticizers for polyvinyl chloride of the heat of its interaction with fillers 7, 1557

Zabello, S. Ye. *See* **Romankevich, O. V., Zhila, T. I., Zabello, S. Ye., Sklyar, N.A.** and **Frenkel', S. Ya.** 11, 2614
Zadorina, Ye. N., Vishnevskii, G. Ye., Isayev, K. S., Sakunenko, Yu. I., Mikitayeva, N. K. and **Zelenev, Yu. V.**: The effect of the composition of poly(acrylate–butadiene) block copolymer on the temperature-time characteristics of its thermal degradation 5, 1067
Zagorets, P. A. *See* **Grigor'ev, Yu. N., Savost'yanov, V. A., Kritskaya, D. A., Ponomarev, A. N.** and **Zagorets, P. A.** 8, 2015
Zagrafskaya, R. V. *See* **Bukatov, G. D., Zaikovskii, V. I., Zakharov, V. A., Kryukova, G. N., Fanelonov, V. B.** and **Zagrafskaya, R. V.** 3, 599

Zaikov, G. Ye. *See* **Lomakin, S. M., Aseyeva, R. M., Shashkova, V. T., Kefeli, T. Ya.** and **Zaikov, G. Ye.** 10, 2378
Zaikov, G. Ye. *See* **Popov, A. A., Karpova, S. G.** and **Zaikov, G. Ye.** 11, 2760
Zaikov, G. Ye. *See* **Popov, A. A., Zaikov, G. Ye., Pracella, M.** and **Martuscelli, E.** 11, 2754
Zaikov, G. Ye. *See* **Razumovskii, S. D.** and **Zaikov, G. Ye.** 10, 2305
Zaikov, G. Ye. *See* **Razumovskii, L. P., Markin, V. S.** and **Zaikov, G. Ye.** 8, 1960
Zaikov, G. Ye. *See* **Razumovskii, S. D., Vinitskaya, Ye. L., Kefeli, A. A., Gurvich, Ya. A.** and **Zaikov, G. Ye.** 6, 1397
Zaikovskii, V. I. *See* **Bukatov, G. D., Zaikovskii, V. I., Zakharov, V. A., Kryukova, G. N., Fenelonov, V. B.** and **Zagrafskaya, R. V.** 3, 599
Zaitsev, B. A., Khramova, G. I. and **Dantsig, L. L.:** Study of the reactions of formation and destruction of condensation telomers of bisecondary aromatic glycols and carboxylic acids 12, 2831
Zaitsev, S. Yu., Batog, A. Ye., Bondarenko, A. V. and **Zaitseva, V. V.:** Copolymerization of 3,4-epoxyhexahydrobenzyl acrylate with vinyl monomers 4, 867
Zaitseva, N. I. *See* **Pokholok, T. V., Zaitseva, N. I., Pariiskii, G. B.** and **Toptygin, D. Ya.** 2, 378
Zaitseva, V. V. *See* **Zaitsev, S. Ya., Batog, A. Ye., Bondarenko, A. V.** and **Zaitseva, V. V.** 4, 867
Zakharov, V. A. *See* **Bukatov, G. D., Zaikovskii, V. I., Zakharov, V. A., Kryukova, G. N., Fenelonov, V. B.** and **Zagrafskaya, R. V.** 3, 599
Zakhar'yan, A. A. and **Petryanov-Sokolov, I. V.:** Methods for determining physico-mechanical properties of individual ultra-thin polymer fibres 8, 2020
Zakirov, I. N. *See* **Derinovskii, V. S., Zakirov, I. N., Lantsov, V. M., Volkov, V. P.** and **Rozenberg, B. A.** 11, 2747
Zamoiskaya, L. V. *See* **Burshtein, L. L., Malinovskaya, V. P., Stepanova, T. P., Milovskaya, Ye. B.** and **Zamoiskaya, L. V.** 4, 873
Zaporozhskaya, Ye. A., Ginzburg, L. V., Dontsov, A. A., Romanova, T. V. and **Fomin, A. G.:** Effect of the structure of phenolformaldehyde oligomers on their interaction with aluminium γ-oxide 7, 1762
Zapunnaya, K. V. *See* **Laskovenko, N. N., Smetankina, N. P., Dobrovol'skaya, A. N.** and **Zapunnaya, K. V.** 4, 769
Zarkhin, L. S. *See* **Zarkhina, T. S., Zarkhin, L. S., Zelenetskii, A. N., Karmilova, L. V.** and **Prut, E. V.** 11, 2793
Zarkhin, L. S. *See* **Zarkhina, T. S., Zelenetskii, A. N., Zarkhin, L. S., Karmilova, L. V., Prut, E. V.** and **Yenikolopyan, N. S.** 3, 647
Zarkhina, T. S., Zarkhin, L. S., Zelenetskii A. N., Karmilova, L. V. and **Prut, E. V.:** Thermal breakdown mechanism of crosslinked polymers based on diepoxides and aromatic and aliphatic amines 11, 2793
Zarkhina, T. S., Zelenetskii, A. N., Zarkhin, L. S., Karmilova, L. V., Prut, E. V. and **Yenikolopyan, N. S.:** The mechanism of thermal degradation of low molecular weight compounds modelling the structure of network polymers based on diepoxides and aromatic and aliphatic amines 3, 647
Zavarova, T. B. *See* **Petrova, R. I., Aivazov, A. B., Zelenev, Yu. V.** and **Zavarova, T. B.** 2, 273
Zavarova, T. B. *See* **Smirnova, K. N., Zavarova, T. B., Lebedev, V. P., Shevchuk, L. M., Batuyeva, L. I.** and **Kulikova, A. Ya.** 4, 824
Zavarova, T. B. *See* **Yarysheva, L. M., Pazukhina, L. Yu., Stoches, R. N., Zavarova, T. B., Bakeyev, N. F.** and **Kozlov, P. V.** 10, 2472
Zegel'man, V. I. *See* **Titova, V. A., Zegel',man V. I., Pessina, A. Ya., Popov, V. A.** and **Bort, D. N.** 6, 1360

Zelenetskii, A. N. *See* **Chepel', L. M., Topolkarayev, V. A., Zelenetskii, A. N., Prut, E. V., Trofimova, G. M., Novikov, D. D.** and **Berlin, Al. Al.** 8, 1873
Zelenetskii, A. N. *See* **Zarkhina, T. S., Zarkhin, L. S., Zelenetskii, A. N., Karmilova, L. V.** and **Prut, E. V.** 11, 2793
Zelenetskii, A. N. *See* **Zarkhina, T. S., Zelenetskii, A. N., Zarkhin, L. S., Karmilova, L. V., Prut, E. V.** and **Yenikolopyan, N. S.** 3, 647
Zelenev, Yu. V. and **Del'tuva, L. A.**: On the relaxation parameters of the α-process 11, 2737
Zelenev, Yu. V. *See* **Kochervinskii, V. V., Sokol'skaya, I. B., Kireyev, V. V.** and **Zelenev, Yu. V.** 6, 1443
Zelenev, Yu. V. *See* **Petrova, R. I., Aivazov, A. B., Zelenev, Yu. V.** and **Zavarova, T. B.** 2, 273
Zelenev, Yu. V. *See* **Zadorina, Ye. N., Vishnevskii, G. Ye., Isayev, K. S., Sakunenko, Yu. I., Mikitayeva, N. K.** and **Zelenev, Yu. V.** 5, 1067
Zezin, A. B. *See* **Izumrudov, V. A., Bronich, T. K., Novikova, M. B., Zezin, A. B.** and **Kabanov, V. A.** 2, 367
Zezin, A. B. *See* **Shul'ga, G. M., Kalyuzhnaya, R. I., Mozheiko, L. M., Rekner, F. V., Zezin, A. B.** and **Kabanov, V. A.** 7, 1725
Zhdanov, A. A. *See* **Levin, V. Yu., Zhdanov, A. A., Slonimskii, G. L., Martirosov, V. A., Kvachev, Yu. P., Golubkov, G. Ye.** and **Gritsenko, O. T.** 10, 2422
Zhdanov, A. A. *See* **Tverdokhlebova, I. I., Kotrelev, G. V., Tebenova, N. A., Larina, T. A., Pertsova, N. V.** and **Zhdanov, A. A.** 8, 2005
Zhegalova, N. N. *See* **Chekushkina, N. G., Sokolov, L. B., Naumov, V. S., Smirnova, T. F.** and **Zhegalova, N. N.** 1, 158
Zhila, T. I. *See* **Romankevich, O. V., Zhila, T. I., Zabello, S. Ye., Sklyar, N. A.** and **Frenkel', S. Ya.** 11, 2614
Zhitinkina, A. K. *See* **Shibanova, N. A., Zhitinkina, A. K., Turetskii, L. V.** and **Varentsova, N. V.** 11, 2768
Zhizhenkov, V. V. *See* **Yegorov, Ye. A.** and **Zhizhenkov, V. V.** 1, 77
Zhmakina, T. P. *See* **Nefedov, P. P., Kurenbin, O. I., Zhmakina, T. P., Lazareva, M. A.** and **Belen'kii, B. G.** 8, 2024
Zhorin, V. A., Beshenko, S. I., Berlin, Yu. A. and **Yenikolopyan, N. S.**: Effect of high pressure on certain electrophysical properties of iodine-doped polymers with a conjugation system 11, 2641
Zhorin, V. A., Godovskii, Yu. K. and **Yenikolopyan, N. S.**: A calorimetric study of changes in crystalline polymers and their blends under the simultaneous action of high pressures and shear strains 5, 1073
Zhorin, V. A., Kulakov, V. V., Mironov, N. A., Nikol'skii, V. G., Chebotarevskii, A. E. and **Yenikolopyan, N. S.**: Homogenization of blends of polypropylene and ethylene-propylene rubber under shear in the presence of inorganic fillers 5, 1081
Zhorin, V. A., Usichenko, V. M., Budnitskii, Yu. M., Akutin, M. S. and **Yenikolopyan, N. S.**: The energies and volumes of activation of plastic flow of some polymers under high pressure 9, 2160
Zhorin, V. A. *See* **Kryuchkov, A. N., Zhorin, V. A., Lalayan, S. S., Prut, E. V., Nikol'skii, V. G., Budnitskii, Yu. M., Akutin, M. S.** and **Yenikolopyan, N. S.** 1, 211
Zhubanov, B. A. and **Lyubchenko, N. P.**: Synthesis of polyamides based on activated diesters of pyridinecarboxylic acids 7, 1677
Zubov, V. P. *See* **Lachinov, M. B., Korolev, B. A., Dreval', V. Ye., Cherep, Ye. I., Zubov, V. P., Vinogradov, G. V.** and **Kabanov, V. A.** 10, 2547
Zhukova, N. G. *See* **Radzyavichyus, K. I., Shatayeva, L. K., Samsonov, G. V., Zhukova, N. G., Zorina, A. I.** and **Laskorin, B. N.** 5, 1205

Zhukova, T. I. *See* **Artem'eva, V. N., Koton, M. M., Kukarkina, N. V., Zhukova, T. I., Kalnin'sh, K. K., Lyubimova, G. V. and Shadrin, V. N.** 4, 782
Zhukova, T. I. *See* **Shibayev, L. A., Sazanov, Yu. N., Stepanov, N. G., Bulina, T. M., Zhukova, T. I. and Koton, M. M.** 12, 2922
Zhukova, T. I. *See* **Smirnova, V. Ye., Bessonov, M. I., Zhukova, T. I., Koton, M. M., Kudryavtsev, V. V., Sklizkova, V. P. and Lebedev, G. A.** 6, 1375
Zhulin, V. M., Makarova, Z. G., Klimentova, N. V., Suprun, A. N., Akopyan, A. N. and Shakhovskoi, G. P.: Kinetic features of polymerization of 1,1,2,3-tetrachlorobuta-1,3-diene under high pressure 12, 3015
Zhuravleva, I. I. *See* **Akutin, M. S., Reutskii, V. A. and Zhuravleva, I. I.** 6, 1421
Zil'berman, Ye. N., Abramova, L. I. and Petrova, T. N.: Study of the effect of tris-(2-carbamoylethyl)amine on the initiation of polymerization of acrylamide by persulphate 7, 1719
Zobina, M. V. *See* **Akopyan, L. A., Zobina, M. V. and Bartenev, G. M.** 1, 67
Zolikov, E. G. *See* **Ivanchev, S. S., Podosenova, N. G., Konovalenko, V. V., Kuznetsova, T. A., Zolikov, E. G. and Budtov, V. P.** 1, 98
Zolotarev, V. L. *See* **Arest-Yakubovich, A. A., Anosov, V. I., Basova, R. V., Zolotarev, V. L., Kristal'nyi, E. V., Makhortov, A. P. and Nakhmanovich, B. I.** 7, 1742
Zolotova, N. V. and Denisov, Ye. T.: Kinetic characteristics of the inhibiting effect of 4-tert-butyl-2,6-dimercaptophenol on oxidation of polypropylene 2, 462
Zonov, Yu. G. *See* **Nizovtseva, O. P., Shunkevich, A. A., Zonov, Yu. G., Krul', L. P. and Soldatov, V. S.** 8, 1797
Zorina, A. I. *See* **Radzyavichyus, K. I., Shatayeva, L. K., Samsonov, G. V., Zhukova, N. G., Zorina, A. I. and Laskorin, B. N.** 5, 1205
Zoteyev, N. P., Bartenev, G. M., Yermilova, N. V. and Zoteyeva, O. I.: Rheological properties of ethylene–propylene copolymers at small shear stresses 6, 1488
Zoteyev, N. P., Bartenev, G. M. and Zoteyeva, O. I.: Influence of holding time on the processes of molecular ordering in a butadiene elastomer 8, 1802
Zoteyeva, O. I. *See* **Zoteyev, N. P., Bartenev, G. M. and Zoteyeva, O. I.** 8, 1802
Zoteyeva, O. I. *See* **Zoteyev, N. P., Bartenev, G. M., Yermilova, N. V. and Zoteyeva, O. I.** 6, 1488
Zubov, V. P. *See* **Gridchin, S. A., Shatalov, G. V., Masterova, M. N., Mikhant'ev, B. I. and Zubov, V. P.** 2, 286
Zubov, V. P. *See* **Malysheva, L. I., D'aychkov, A. I., Ovchinnikova, Yu. I., Chuvilin, V. B. and Zubov, V. P.** 7, 1749
Zubov, Yu. A. *See* **Mostovoi, R. M., Berendyayev, V. I., Vashkevich, V. A., Kotov, B. V., Zubov, Yu. A., Ovchinnikov, S. Yu., Tverskoi, V. A. and Pravednikov, A. N.** 4, 894
Zubov, Yu. A. *See* **Konstantinopol'skaya, M. B., Kotov, N. M., Aulov, V. A., Slovokhotova, N. A., Ozerin, A. N., Zubov, Yu. A., Bakeyev, N. F. and Baulin, A. A.** 10, 2385
Zuyev, B. M., Gubanov, E. F., Shulyndin, S. V., Dikolenko, S. V., Romanov, V. G. and Ivanov, B. Ye.: Study of optico-mechanical properties of poly-bis-isoprene phosphonates 12, 3000
Zvereva, Yu. A. *See* **Popov, V. A., Zvereva, Yu. A., Grishin, A. N., Palayeva, T. V. and Fomin, V. A.** 8, 1883
Zvereva, Yu. A. *See* **Popov, V. A., Zvereva, Yu. A., Klimov, Ye. S., Palayeva, T. V. and Grishin, A. N.** 4, 808
Zytner, Ya. D., Makarov, K. A. and Lebedkina, O. K.: A study of the growth in thickness of a polymer film under potentiometric conditions 5, 1060

SUBJECT INDEX

Absorption data, calculation of M_c from - and concentration dependence of the parameter of polymer–solvent interaction **4,** 1004

Acetone, tetrafluoroethylene telomerization in - initiated by ^{60}Co γ-rays and by radical initiators. Soluble telomers **2,** 330

Acetyl compounds, investigation of the polycyclocondensation of - **2,** 293

Acid chlorides, acylation of serum albumin by unsaturated - **11,** 2668

Acid polyamides, the synthesis and study of - based on bis-*ortho*-amino acids and tetracarboxylic anhydrides **1,** 85

Acoustic studies of the structural changes on stretching in highly filled polymeric rubber based composites **7,** 1572

Acrylamide, study of the effect of tris-(2-carbamoylethyl)amine on the initiation of polymerization of - by persulphate **7,** 1719

Acrylic acid, radiation-induced graft polymerization of - to powdered low-pressure polyethylene **8,** 2015

Acrylic acid, spectrophotometric titration in the IR region of 2-methyl-5-vinyl pyridine– - copolymers **1,** 205

Acrylonitrile, a spectroscopic study of the thermo-oxidative degradation of copolymers of - with N-methylolacrylamide **7,** 1597

Acrylonitrile, activation energy for radiation polymerization of - adsorbed on silica gel **2,** 300

Acrylonitrile, copolymerization of - with β, β'-dichlorovinyl acetate **1,** 22

Acrylonitrile, gradient adsorption thin layer chromatography of statistical styrene– - copolymers **4,** 909

Acrylonitrile, hydrodynamic characteristics and light scattering of solutions of a styrene– - copolymer prepared in a precipitant **7,** 1734

Acryloyl chloride, the radiation-induced graft polymerization of - to polyethylene and polyethylene terephthalate **2,** 406

Activated diesters, synthesis of polyamides based on - of pyridinecarboxylic acids **7,** 1677

Activation energy for radiation polymerization of acrylonitrile adsorbed on silica gel **2,** 300

Activation energy, temperature coefficient of the - of dipole relaxation and heat expansion of polymers **9,** 2277

Activators, use of - of indirect action for controlling the rate of anionic polymerization of dodecalactam **2,** 473

Active filler parcicles, relaxational φ-transition in filled polymers and molecular mobility of - **9,** 2099

Active media, the time dependence of the strength of polymer glass in a surface - **7,** 1628

Acylation of serum albumin by unsaturated acid chlorides **11,** 2668

Adhesion, contact oxidation and - to steel of polyethylene coatings **12,** 2840

Adsorption, gradient - thin layer chromatography of statistical styrene–acrylonitrile copolymers **4,** 909

Adsorption, notes on the theory of - of a single macromolecules **6,** 1344

Adsorption, phase transitions on - of macromolecules 9, 2088
Adsorption, the theory of - and its relation to chromatographic separation of oligomers on porous adsorbents according to molecular masses and types of functionality 3, 578
Adsorption-active medium, features of the development of forced elastic deformation during the stretching of glasslike polyethyleneterepthalate in an - 10, 2464
Adsorption-active media, reasons for lowering of mechanical properties of polymers during deformation in - 11, 2706
Alcohols, aspects of the cationic polymerization of ε-caprolactone in the presence of - 2, 306
Aliphatic amines, the mechanism of thermal degradation of low molecular weight compounds modelling the structure of network polymers based on diepoxides and aromatic and - 3, 647
Aliphatic amines, thermal breakdown mechanism of crosslinked polymers based on diepoxides and aromatic and - 11, 2793
Aliphatic-aromatic block copolyesters, the synthesis and properties of - 1, 158
Aliphatic ionene polycation structure, on amomalies in the dependence of the electrical conductivity of polymeric ion-radical salts of 7,7,8,8-tetracyanoquinodimethane on - 4, 894
Alkyl alumoxane complex catalysts, infrared analysis of the conditions of synthesis of - influencing their activity in the copolymerization of epoxides 7, 1688
n-Alkylene glycols, study of the kinetics and thermodynamics of thermal breakdown of reticular polymers of dimethacrylic esters of - 10, 2378
Allylpyridazones, kinetics of radiation polymerization of - 2, 286
Aluminium γ-oxide, effect of the structure of phenolformaldehyde oligomers on their interaction with - 7, 1762
Aluminium soaps, kinepectic reinforcement and relaxation of coordination-polymer gels of - 7, 1709
Amine, the role of proton-donors in cyclomerization of isocyanates by the action of an - –epoxide catalytic system 11, 2768
Amines, conversions of the reactive polymerization centres in glycidyl ethers by tertiary - 2, 335
Amines, effect of cyclization on the topological structure and properties of polymeric networks based on diglycidyl ethers and aromatic - 8, 1873
Amines, infrared investigation of the structure of urea-formaldehyde oligomers synthesized in the presence of - 8, 1974
Amorphized cellulose, the crystallization of - 6, 1382
Amorphous parts, the free induction signal from - of partially crystalline polymers 12, 2971
Amorphous polymers, multiplicity of the temperature dependence of the enthalpy of - in the vicinity of glass transition temperature 12, 2953
Ampholytes, study of complex-formation on copper (II) with - containing nitrogen-phosphorus 3, 678
Anilinephthalein, study of the structure of solutions and gels of polypyromellitimide and polyterephthalamide of - in dimethylformamide 6, 1457
Anionic non-equilibrium copolymerization of hexamethyl cyclotrisiloxane with *cis* and *trans*-isomers of 1,3,5-trimethyl-1,3,5-triphenyl cyclotrisiloxane 1, 27
Anionic polymerization, use of activators in indirect action for controlling the rate of - of dodecalactam 2, 473
Anisotropic light scattering with the persistent chain model 2, 314
Anisotropy, conformation and optical - of comb-like macromolecules with mesogenic side groups 10, 2340

Anisotropy of wetting and the molecular orientation capacity of elastomers under deformation **8,** 1944
Annealing, effect of low molecular weight fractions and side branches in the main chain of the macromolecules on the recrystallization process during pressure - of polyethylene **10,** 2385
Annealing, polymorphism and structural transformations of polycaproamide during - **1,** 49
Anthracene-containing polymers, intrachain luminescence quenching in solutions of - based on polymethyl methacrylate **7,** 1578
Antioxidants, sterically hindered phenols— - for polyolefines. Relation of antioxidative activity to structure. Review **9,** 2063
Anti-ozonants, the mechanism of the protective action of - **6,** 1397
Aqueous-organic media, reactivity of aromatic oligoamine and oligochlorides on polycondensation in - **3,** 673
Aqueous solutions, high resolution NMR analysis of conformation transitions in - of gelatin **9,** 2182
π-Arenemetaltricarbonyl complexes, oligomer and polymer - **6,** 1480
Aromatic and aliphatic amines, the mechanism of thermal degradation of low molecular weight compounds modelling the structure of network polymers based on diepoxides and - **3,** 647
Aromatic and aliphatic amines, thermal breakdown mechanism of crosslinked polymers based on diepoxides and - **11,** 2793
Aromatic amines, effect of cyclization on the topological structure and properties of polymeric networks based on diglycidyl ethers and - **8,** 1873
Aromatic glycols, study of the reactions of formation and destruction of condensation telomers of bisecondary - and carboxylic acids **12,** 2831
Aromatic oligoamines, reactivity of - and oligochlorides on polycondensation in aqueous-organic media **3,** 673
Aromatic polyamide hydrazide, electrical birefringence of solutions of - in dimethyl sulphoxide **4,** 978
Aromatic polyamide solutions, structural features of - in sulphuric acid **6,** 1388
Aromatic polyamides, the hydrogen bond and its effect on spontaneous orientation during the heating of - **5,** 1109
Aromatic polyamides, thermal degradation of compositions based on - **8,** 1953
Atactic polystyrene, rheological properties of melts of polyoxymethylene– - blends **11,** 2614
Auto-acceleration, relation of - in radical polymerization of methyl methacrylate in bulk with structural changes of the polymerizing system **10,** 2547
Auto-oxidation, on features of the oligomerization of hydroquinone under - **10,** 2434
2,6-di-(4′-azidobenzal)cyclohexanone, photo-oxidation of - in polystyrene films **8,** 1845
4-azo-bis-4-cyanpentanoic acid, chemical modification of calcium carbonate surface by - and its effect on initiation and polymerization **4,** 808

Bacterial infection, the degradation of polyethylene terephthalate in the presence of - **7,** 1604
***p*-Benzoquinone,** thermal polymerization of - in the presence of polycaproamide **3,** 641
Benzoyl peroxide, mechanism of reactions initiated by thermal decomposition of - in polyamide **12,** 2991

Benzoyl peroxide, nature of the breakdown of mechanically loaded triacetylcellulose initiated by - 5, 1176
Benzoyl peroxide, study of the reaction of polyamic acid with - at room temperature 4, 782
Binary solvent mixtures, diffusion, sorption and permeability of - in polyethylene 8, 1865
Birefringence, electrical - of solutions of aromatic polyamide hydrazide in dimethyl sulphoxide 4, 978
Birefringence of polymethylmethacrylate in a sinusoidal mechanical field 6, 1306
Birefringence of swollen non-gaussian polymeric networks 8, 1889
Bis-*ortho*-amino acids, the synthesis and study of acid polyamides based on - and tetracarboxylic anhydrides 1, 85
Bis-phenols, inhibiting action of - on oxidation of polypropylene containing hydroperoxide groups 4, 938
α,ω-bis-(tetramethylammonium) oligodimethylsiloxane, polymerization of hexamethylcyclotrisiloxane by - in the presence of trimethylsilanol 8, 1998
Blends, disperse structure and mechanical properties of extruded polypropylene–polystyrene - 8, 1825
Blends, morphology of extruded polypropylene–polystyrene - 8, 1811
Block copolymer, the effect of the composition of poly(arylate–butadiene) - on the temperature-time characteristics of its thermal degradation 5, 1067
Block copolymer mixtures, the crystallization kinetics of - and multiple blocks of polyoxyethylene and polyarylate 5, 1116
Block copolymer solutions, molecular mobility in ternary - 4, 873
Block copolymers, features of strain-strength properties of butadiene–styrene - under uniaxial stretching 1, 90
Block copolymers, study of - by gel-permeation chromatography 6, 1512
Block copolymers, the synthesis and properties of halogen-containing polyarylate-sulphone - 12, 2941
Block copolymers, thermodynamics of the compatibility of blocks in - 10, 2331
Branched diane epoxide oligomers, study of the formation of - at advanced stages of synthesis 8, 1979
Branching centres, distribution of - along macromolecules in branched radical polymerization 2, 445
Branching centres, molecular weight distribution and distribution of - along macromolecules during radical polymerization of vinyl monomers with the formation of unsaturated end groups 7, 1767
Breakdown, nature of the - of mechanically loaded triacetylcellulose initiated by benzoyl peroxide 5, 1176
Butadiene, a chromatographic study of the oligomerization of - 7, 1636
Butadiene, effect of the physico-mechanical properties of methylmethacrylate, - and styrene copolymers on the impact strength of their compositions with polyvinylchloride 4, 824
Butadiene, features of strain-strength properties of - –styrene block copolymers under uniaxial stretching 1, 90
Butadiene, main regularities of polymerization of - by the action of a composite sodium–aluminium organic initiator in hydrocarbon medium 7, 1742
Butadiene, polymerization of - under action of sodium organic initiators in slightly polar media 2, 388
Butadiene elastomer, influence of holding time on the process of molecular ordering in a - 8, 1802

^{13}C NMR, study of the synthesis of polyarylene sulphonoxides based on phenolphthalein and dichlorodiphenylsulphone by - **5,** 1218
^{13}C NMR method, study of polyether thermoelastoplastics by the ^{1}H and - **9,** 2149
^{13}C NMR spectra, relation between chemical shift values in ^{1}H and - of vinyl monomers and some parameters of their reactivity in radical polymerization and copolymerization **9,** 2252
^{13}C NMR spectra, structure of 1-methylcyclooctadiene polymer as judged by the - **4,** 775
^{13}C NMR study, a - of structural isomers and compositional sequences in oligoesters based on propylene oxide and maleic anhydride **3,** 549
Caking, microscopic study of the structure and decomposition of fluoroplast films produced from powder by - and condensation under vacuum **4,** 861
Calcium carbonate surface, chemical modification of - by 4-azo-bis-4-cyanpentanoic acid and its effect on initiation and polymerization **4,** 808
Calibration, combination of a gel-chromatograph with an automatic viscometer. - according to molecular weight of the polymer correcting for instrumental broadening **9,** 2295
Calorimetric study, a - of changes in crystalline polymers and their blends under the simultaneous action of high pressures and shear strains **5,** 1073
Calorimetric study of ethylene oxalate, polyethylene oxalate and parameters of the polymerization of ethylene oxalate in the range 8–450 K **7,** 1695
Calorimetric study, the - in the 13·8–340°K range of δ-valerolactone, its polymer, and of the δ-valerolactone polymerization **3,** 628
Caprolactam, equilibrium in the system polycaproamide– - –water below the melting point of the polymer **6,** 1319
Caprolactam polymerization, mathematical modelling of - **5,** 1091
ε-Caprolactone, aspects of the cationic polymerization of - in the presence of alcohols **2,** 306
Capsulation of solids, study of the formation of polymer coatings by - by radiation-induced polymerization of monomers from the vapour phase **3,** 696
Carbon black, study of the kinetics of inhibition of thermo-oxidation of polyethylene by - **6,** 1462
***m*-Carborane,** synthesis and study of heterogeneous polyamides containing - **11,** 2788
Carborane-containing polyheteroarylenes, electrophysical properties and molecular mobility of - **10,** 2537
***o,o'*-Carbo-tert-butylperoxysuccinyl peroxide,** the study of kinetic features of the radical polymerization of styrene, initiated by - **1,** 98
Carboxyl cation-exchange resin, structure and sorption properties of macroporous KM-2p - **5,** 1205
Carboxyl-containing celluloses, IR-spectroscopic study of hydration of the - and polyacrylic acid **6,** 1279
Carboxyl cationites, influence of the porosity of - of Solose K on the diffusion and kinetics of H_2O sorption **10,** 2452
Carboxylic acids, interaction of polyglycidyl methacrylate with - **12,** 3030
Carboxylic acids, study of the reactions of formation and destruction of condensation telomers of bisecondary aromatic glycols and - **12,** 2831
Catalyst, effect of oxygen on the activity of a supported vanadium - during gas phase polymerization of ethylene **10,** 2392
Catalysts, infrared analysis of the conditions of synthesis of alkyl alumoxane complex - influencing their activity in the copolymerization of epoxides **7,** 1688

Catalysts, investigation of the mechanism of polypentanamer degradation in the presence of metathesis - 1, 164
Catalysts, structure of active polymerization centres of dienes on Ziegler–Natta - 7, 1542
Catalysts, study of the alternating copolymerization of isoprene and propylene using compounds of titanium and vanadium as - 10, 2457
Catalysts, study of the interaction of components of heterogeneous Ziegler–Natta - , using the Monte Carlo method 12, 2985
Catalytic activity, complex of Rh(III) and polyethyleneimine and their - in hydrogenation of cyclohexene 7, 1775
Catalytic system, on the influence of secondary low molecular weight products on the polymerization rate of propylene by the $TiCl_3$-based - 2, 412
Catalytic system, the role of proton-donors in cyclotrimerization of isocyanates by the action of an amine-epoxide 11, 2768
Cationic graft polymerization, radiation-induced low-temperature - of vinyl-n-butyl ether to polyvinyl chloride in the glass transition 2, 440
Cationic polymerization, aspects of the - of ε-caprolactone in the presence of alcohols 2, 306
Cellulose, the crystallization of amorphized - 6, 1382
Cellulose acetate plastics, spontanous elongation of - 3, 565
Cellulose acetates, influence of the nature of the solvent on the processes of structuring in solutions of - 11, 2598
Cellulose acetates, IR spectroscopic study of hydration of - and polyvinyl acetate 11, 2778
Cellulose acetates, preparation and study of properties of primary low-substituted soluble - 6, 1495
Cellulose derivatives, new phosphorus containing - 9, 2115
Cellulose dinitrate solutions, the hydrodynamic and dynamooptical properties of - 2, 358
Cellulose ether, distribution of electrolytes and phase equilibria in a - –water–electrolyte system 3, 704
Cellulose hydrate fibres, supermolecular structure of graft copolymers of cotton and - with certain fluorine-containing polymers 4, 800
Celluloses, IR-spectroscopic study of hydration of the carboxyl-containing - and polyacrylic acid 6, 1279
Chain propagation, mechanism of - and termination in polymerization-exchange reactions of synthesis of polydimethylsilazasiloxanes 8, 2005
Chain-transfer reaction, features of the - of group IV B organo-metal compounds 5, 1127
Chalk, polymerization of vinyl monomers on the surface of - activated by dicarboxyl-containing peroxide 8, 1883
Chemical conversions, refractometric method of analysis of - of macromolecules in solution 11, 2813
Chemical imidization, investigation of the kinetics of - 4, 791
Chemical modification of calcium carbonate surface by 4-azo-bis-4-cyanpentanoic acid and its effect on initiation and polymerization 4, 808
Chemical reactions, determination of the molecular weight distribution of high pressure polyethylene and calculation of the rate constants of the main - 6, 1367
Chemical shift values, reaction between - in ^1H and ^{13}C NMR spectra of vinyl monomers and some parameters of their reactivity in radical polymerization and copolymerization 9, 2252
Chemical structure, effect of - of two-component melts of heteropolymers on the formation of domain structure 9, 2232

Chemical structure, influence of the - of polyarylene sulphides on properties of the filled polymers 8, 1934
Chemical structure of polyphenylene-1,3,4-oxadiazole and fibres based on them 1, 41
Chlorinated derivatives, conformational and optical properties of molecules of ladder type polyphenylsiloxane and its - 10, 2405
***m*-Chlorophenylisocyanate,** kinetics of interaction of - with hydroxyl end groups of oligobutadienes 4, 964
Cholesterol, effect of the hydrogen bond on the intermolecular organization of polymers containing - 5, 1248
Chromatographic separation, the theory of adsorption and its relation to - of oligomers on porous adsorbents according to molecular masses and types of functionality 3, 578
Chromatographic study, a - of the oligomerization of butadiene 7, 1636
Chromatography, determining coefficients K_n and a for oligomers using liquid - 3, 728
Chromatography, determining the proportion of mono-functional components in oligoesters by thin-layer - 9, 2290
Chromatography, gel-permeation - of epichlorohydrin oligomers 10, 2520
Chromatography, gradient adsorption thin layer - of statistical styrene–acrylonitrile copolymers 4, 909
Chromatography, molecular weight analysis of oligomers using highly efficient exclusion liquid - 8, 2024
Chromatography, possibilities of gel-penetration - ás an absolute method of determining the parameters of the molecular weight distribution of polymethylmethacrylates 10, 2400
Chromatography, study yf block copolymers by gel-permation - 6, 1512
Chromatography, synthesis of porous reticular copolymers of divinyl ethers of hydroquinone and diethylene glycol and their testing as sorbents in liquid - 7, 1563
***Cis*-1,4-polyisoprene,** mechanism of degradation of - in conditions of inhibited oxidation 12, 2859
***Cis* and *trans*-isomers,** anionic non-equilibrium copolymerization of hexamethyl cyclotrisiloxane with - of 1,3,5-trimethyl-1,3,5-triphenyl cyclotrisiloxane 1, 27
^{60}Co γ-rays, tetrafluoroethylene telomerization in acetone initiated by - and by radical initiators. Soluble telomers 2, 330
Co-cyclotrimerization of 2,4-toluylene diisocyanate and phenyl isocyanate 11, 2700
Comb-like macromolecules, conformation and optical anisotropy of - with mesogenic side groups 10, 2340
Comb-like polymers, electro-optical properties of - with a different distance of the mesogenic side group from the main chain 11, 2606
Comb-like polymers, intramolecular structuring in solutions of - 1, 1
Comb-like polymers, special aspects of the photochromism of indolinospiropyranes in - 11, 2635
Combustion, features of - of polymethyl methacrylate compositions with some phosphoric acid esters 4, 971
Compatibility, thermodynamics of the - of blocks in block copolymers 10, 2331
Complex formation between polymethacrylic acid and polyacrylamide 7, 1683
Complex-formation, study of - on copper (II) with ampholytes containing nitrogen-phosphorus 3, 678
Complex-radical mechanism, calculation of the distribution of units and composition heterogeneity of copolymers obtained by a - 3, 709
Complex-radical mechanism, configuration statistics of copolymers obtained by a - 3, 720

Composition heterogeneity, calculation of the distribution of units and - of copolymers obtained by a complex-radical mechanism 3, 709
Computer modelling of the thermodynamic properties of polymer solutions of varied concentration 12, 2873
Computer simulation, the - of slowing-down cooperative reactions 3, 620
Condensation, microscope study of the structure and decomposition of fluoroplast films produced from powder by caking and - under vacuum 4, 861
Conductivity, features of radiation-induced electrical - of some polar polymers 7, 1754
Conformation and optical anisotropy of comb-like macromolecules with mesogenic side groups 10, 2340
Conformation transitions, high resolution NMR analysis of - in aqueous solutions of gelatin 9, 2182
Conformation transitions in polyethylene terephthalate on crystallization by the action of a liquid medium 2, 468
Conformational and optical properties of molecules of ladder type polyphenylsiloxane and its chlorinated derivatives 10, 2405
Conformational properties, hydrodynamic and - of molecules of the poly-*p*-methacryloyl oxybenzoic ether of *p*-n-nonyloxyphenol 7, 1671
Conjugation system, effect of high pressure on certain electrophysical properties of iodine-doped polymers with a - 11, 2641
Coordination-polymer gels, kinepectic reinforcement and relaxation of - of aluminium soaps 7, 1709
Copolyesters, the synthesis and properties of aliphatic-aromatic block - 1, 158
Copolymer, hydrodynamic characteristics and light scattering by solutions of a styrene–acrylonitrile - prepared in a precipitant 7, 1734
Copolymer, influence of the concentration of the crosslinking agent on the mechanical properties of ionite membranes based on a fluoroplastic and the - of 2,5-methylvinylpyridine and divinylbenzene 11, 2718
Copolymer, investigation of the mesomorphic properties of solutions of an isoprene–α-methylstyrene–isoprene triblock - 6, 1327
Copolymer, study of the structure and deformation properties of films from compositions of a fluoropolymer and - of 2,5-methylvinylpyridine and divinylbenzene 4, 915
Copolymer, the effect of the composition of poly(arylate–butadiene) block - on the temperature-time characteristics of its thermal degradation 5, 1067
Copolymer, viscoelastic properties of plastisols based on the - of methyl methacrylate and methacrylic acid during their transition to plastigels 12, 2947
Copolymer chains, matrix synthesis of - with definite alternation of monomer units 8, 1909
Copolymer mixtures, the crystallization kinetics of block - and multiple blocks of polyoxyethylene and polyarylate 5, 1116
Copolymer solutions, molecular mobility in ternary block - 4, 873
Copolymer synthesis, aspects of - by heterophase polycondensation 2, 350
Copolymerization, anionic non-equilibrium - of hexamethyl cyclotrisiloxane with *cis* and *trans*-isomers of 1,3,5-trimethyl-1,3,5-triphenyl cyclotrisiloxane 1, 27
Copolymerization of acrylonitrile with β, β′-dichlorovinyl acetate 1, 22
Copolymerization of 3,4-epoxyhexahydrobenzyl acrylate with vinyl monomers 4, 867
Copolymerization, infrared analysis of the conditions of synthesis of alkyl alumoxane complex catalysts influencing their activity in the - of epoxides 7, 1688
Copolymerization, relation between chamical shift values in ^{1}H and ^{13}C NMR spectra of vinyl monomers and some parameters of their reactivity in radical polymerization and - 9, 2252

Copolymerization, study of the alternating - of isoprene and propylene using complex compounds of titanium and vanadium as catalysts **10,** 2457
Copolymerization, the part played by donor-acceptor complexes in the photo- or electro-initiated isoprene - with mono-maleates **3,** 637
Copolymerization, the radical - of α-substituted vinyl phosphonates **3,** 667
Copolymers, a spectroscopic study of the thermo-oxidative degradation of - of acrylonitrile with N-methylolacrylamide **7,** 1597
Copolymers, analysis of the content and distribution of the double bonds for vinyl chloride homo- and - with a different molecular mass distribution **5,** 1047
Copolymers, calculation of the distribution of units and composition heterogeneity of - obtained by a complex-radical mechanism **3,** 709
Copolymers, configuration statistics of - obtained by a complex-radical mechanism **3,** 720
Copolymers, effect of adjacent units during thermal degradation of - of vinyl chloride with vinyl acetate **6,** 1299
Copolymers, effect of polymer structure and the nature and concentration of the plasticizer on the formation of defects in plasticized polyvinylchloride and vinylchloride - **4,** 816
Copolymers, effect of the physico-mechanical properties of methylmethacrylate, butadiene and styrene - on the impact strength of their compositions with polyvinylchloride **4,** 824
Copolymers, gradient adsorption thin layer chromatography of statistical styrene–acrylonitrile - **4,** 909
Copolymers, heat of wetting and porous structure of network - **12,** 2903
Copolymers, rheological properties of ethylene–propylene - at small shear stresses **6,** 1488
Copolymers, spectrophotometric titration in the IR region of 2-methyl-5-vinyl pyridine–acrylic acid - **1,** 205
Copolymers, study of block - by gel-permeation chromatography **6,** 1512
Copolymers, supermolecular structure of graft - of cotton and cellulose hydrate fibres with certain fluorine-containing polymers **4,** 800
Copolymers, synthesis of porous reticular - of divinyl ethers of hydroquinone and diethylene glycol and their testing as sorbents in liquid chromatography **7,** 1563
Copolymers, the phase condition and viscous properties of sulphuric acid solutions of polymers and - based on *p*-phenylene amides **5,** 1085
Copolymers, the synthesis and properties of halogen-containing polyarylate-sulphone block - **12,** 2941
Copolymers, the synthesis of graft - of polycaproamide with polydimethylaminoethyl methacrylate, using a reversible redox system **11,** 2663
Copolymers, thermodynamics of the compatibility of blocks in block - **10,** 2331
Copper, study of complex-formation on - (II) with ampholytes containing nitrogen-phosphorus **3,** 678
Cotton and cellulose hydrate fibres, supermolecular structure of graft copolymers of - with certain fluorine-containing polymers **4,** 800
Crosslinking, the effect of - in polymethyl methacrylate on the parameters and mechanism of diffusional transfer **2,** 345
Crosslinked polymers, thermal breakdown mechanism of - based on diepoxides and aromatic and aliphatic amines **11,** 2793
Crosslinking, effect of conjugated dienes on - of polyvinylchloride **11,** 2808
Crosslinking agent, influence of the concentration of the - on the mechanical properties of ionite membrane based on a fluoroplastic and the copolymer of 2,5-methylvinylpyridine and divinylbenzene **11,** 2718

Cryolysis, regulation of the structure of rigid polymers in the process of - 3, 570
Crystalline lattices, temperature dependence of expansion of - of some flexible chain polymers 8, 1837
Crystalline phase, the decay of peroxide macroradicals in the - of isotactic polypropylene 6, 1402
Crystalline polyethylene, study of the structure and molecular mobility of - by the methods of photo-elasticity and torsion pendulum 7, 1551
Crystalline polymers, a calorimetric study of changes in - and their blends under the simultanous action of high pressures and shear strains 5, 1073
Crystalline polymers, the free induction signal from amorphous parts of partially - 12, 2971
Crystalline polyolefines, the influence of liquid plasticizing media on the deformation of - 8, 1927
Crystallinity, determination of the degree of - of elastomers under stretching 1, 59
Crystallinity, the effects of orientation and - on the resistance of polyethylene terephthalate to photo-oxidation 5, 1138
Crystallization, conformation transitions in polyethylene terephthalate on - by the action of a liquid medium 2, 468
Crystallization, NMR analysis of the - of oligoesters and urethane rubbers 5, 1170
Crystallization, the - of amorphized cellulose 6, 1382
Crystallization kinetics, the - of block copolymer mixtures and multiple blocks of polyoxyethylene and polyarylate 5, 1116
Crystallizing and non-crystallizing elastomers, relaxation processes in - 1, 67
Crystallizing plasticizers, thermo-optical method of determining temperatures of physical transitions in - 11, 2826
Crystallosolvates, polymer - . Review 2, 236
Cu^{2+} complex formation, the effect of pH on - with poly-4-vinylpyridine 9, 2143
Cyclization, consideration of - in the theory of equilibrium branched polycondensation 10, 2477
Cyclization, effect of - on the topological structure and properties of polymeric networks based on diglycidyl ethers and aromatic amines 8, 1873
Cyclization reactions, calculation of gel points taking account of - 10, 2489
Cyclodehydration, mass spectrometric thermal analysis of the - of polyamic acids 12, 2922
Cyclohexene, complex of Rh(III) and polyethyleneimine and their catalytic activity in hydrogenation of - 7, 1775
Cyclopentadiene, the solid-phase polymerization of - in the presence of titanium tetrachloride 12, 2977
Cyclotrimerization, the role of proton-donors in - of isocyanates by the action of an amine-epoxide catalytic system 11, 2768

Decay, kinetics and mechanism of - of peroxide radicals in oxidation of solid polypropylene 1, 217
Decay, study of the shape of - of NMR free induction in polyurethanes 8, 1967
Decomposition, microscope study of the structure and - of fluoroplast films produced from powder by caking and condensation under vacuum 4, 861
Deformability of polyvinyl chloride in creep conditions 6, 1261
Deformation, action of ozone on isotropic and oriented blends of polypropylene and polyethylene. On the influence of - on the rate of oxidation 11, 2754

Deformation, anisotropy of wetting and the molecular orientation capacity of elastomers under - 8, 1944
Deformation, features of the development of forced elastic - during the stretching of glasslike polyethyleneterephthalate in an adsorption-active medium 10, 2464
Deformation, features of the kinetics of - of oriented polyethylne 5, 1212
Deformation, method of determining the linear rate of propagation of microcracks by plotting distribution curves during - of polymers in liquid media 8, 2040
Deformation, reasons for lowering of mechanical properties of polymers during - in adsorption-active media 11, 2706
Deformation, special features of elastic - of uniaxially oriented high-density polyethylene 11, 2760
Deformation, structurization of low molecular weight inorganic compounds introduced into polymers during their - in liquid media 6, 1430
Deformation, study of the structure and - properties of films from compositions of a fluoropolymer and copolymer by 2,5-methylvinylpyridine and divinylbenzene 4, 915
Deformation, the influence of liquid plasticizing media on the - of crystalline polyolefines 8, 1927
Deformation rates, the mechanical behaviour of polyvinyl chloride and of PVC blended with rubber modifier over a wide range of - 10, 2472
Degradation, concerning the - of polyoxyethylene fragments of oxyethylated compounds during complex-formation with transition metal compounds 6, 1351
Degradation, effect of adjacent units druing thermal - of copolymers of vinyl chloride with vinyl acetate 6, 1299
Degradation, mechanism of - of *cis*-1,4-polyisoprene in conditions of inhibited oxidation 12, 2859
Degradation, study of the mechanism of the synergistic action of mixtures of zinc salts of organic acids and polyols during thermal - of polyvinyl chloride 12, 2849
Degradation, the - of polyethylene terephthalate in the presence of bacterial infection 7, 1604
Degradation, thermal - of poly(arylate-arylene sulphonoxides) 11, 2654
Dehydrochlorination, kinetics of the - of polyvinylchloride in a closed system in the presence of HCl acceptors 9, 2195
Dense-network epoxy polymers, on the nature of segmental mobility of - 11, 2732
Depolarizer ions, polarographic analysis of kinetics of synthesis of polyelectrolytes by combination of - with macromolecules 3, 732
Diane epoxide oligomers, study of the formation of branched - at advanced stages of synthesis 8, 1979
Dibutylphthalate, NMR relaxation and the state of solvent molecules in solutions of polyvinylchloride and polystyrene in - 12, 3024
Dicarboxyl-containing poroxide, polymerization of vinyl monomers on the surface of chalk activated by - 8, 1883
3,4-Dichloro-1,3-butadiene-2-phosphonate polymers, the synthesis, structure and properties of - 6, 1414
Dichlorodiphenylsulphone, ^{1}H and ^{13}C NMR analysis of the synthesis of polyarylene sulphonoxides based on diphenylolpropane and - 5, 1183
Dichlorodiphenylsulphone, study of the synthesis of polyarylene sulphonoxides based on phenolphthalein and - by ^{13}C NMR 5, 1218
1,2-Dichloroethane, polymerization mechanism of styrene by the action of tin(IV) chloride in - 9, 2272

β, β'-Dichlorovinyl acetate, copolymerization of acrylonitrile with - 1, 22
Dielectric and nuclear magnetic relaxation in latex polymers in relation to their morphological properties 5, 1159
Dielectric relaxation in polydialkoxyphosphazenes 6, 1443
Dielectric relaxation in poly-N-*n*-octadecylmethacrylamide 8, 1902
Dielectric relaxation, study of - in polymer semi-interpenetrating networks based on toluylene diisocyanate and propylene sulphide 10, 2369
Dienes, effect of conjugated - on crosslinking of polyvinylchloride 11, 2808
Dienes, stabilization of polyvinyl chloride by conjugated - 4, 854
Dienes, structure of active polymerization centres of - on Ziegler–Natta catalysts 7, 1542
Diepoxides, the mechanism of thermal degradation of low molecular weight compounds modelling the structure of network polymers based on - and aromatic and aliphatic amines 3, 647
Diepoxides, thermal breakdown mechanism of crosslinked polymers based on - and aromatic and aliphatic amines 11, 2793
Diesters, synthesis of polyamides based on activated - of pyridinecarboxylic acids 7, 1677
Diethylene glycol, synthesis of porous reticular copolymers of divinyl ethers of hydroquinone and - and their testing as sorbents in liquid chromatography 7, 1563
Diethylene glycol adipate solutions, intrinsic viscosity of - of various functionalities 5, 1144
Diffraction study of the structure of ion exchange fibres from polypropylene modified by grafted polystyrene 8, 1797
Diffusion, coefficients of translational and rotational - of low-molecular compounds in polymers with various glass transition temperatures 3, 592
Diffusion, influence of the porosity of carboxyl carbonites of Solose K on the - and kinetics of H_2O sorption 10, 2452
Diffusion, sorption and permeability of binary solvent mixtures in polyethylene 8, 1865
Diffusion, sorption and - study of mutually penetrating networks based on polyurethane and its ionomer 1, 126
Diffusion constants, determination of the - of liquids in polymers by sorption and by internal reflection spectroscopy 8, 1853
Diffusional and kinetic factors, effect of - on the post-radiation oxidation of polyolefines 12, 2908
Diffusional transfer, the effect of crosslinkages in polymethyl methacrylate on the parameters and mechanism of - 2, 345
Diglycidyl ethers, effect of cyclization on the topological structure and properties of polymeric networks based on - and aromatic amines 8, 1873
α,ω-Dihydroxyoligodimethylsiloxane, regular networks based on - obtained in different conditions of dilution 2, 264
Dilatometers and dilatometric installations for the study of photo-initiated polymerization of liquid compounds based on oligourethane acrylates 10, 2555
Dilution, regular networks based on α,ω-dihydroxyoligodimethylsiloxane obtained in different conditions of - 2, 264
Dimethacrylic esters, study of the kinetics and thermodynamics of thermal breakdown of reticular polymers of - of n-alkylene glycols 10, 2378
Diemthylformamide, study of the structure of solutions and gels of polypyromellitimide and polyterephthalamide of anilinephthalein in - 6, 1457
Dimethyl sulphoxide, electrical birefringence of solutions of aromatic polyamide hydrazide in - 4, 978

Dioctyl sebaceate mixtures, phase diagrams of - with some polymers 4, 841
Diols, synthesis and study of polyesters based on asymmetrical - 6, 1437
Diphenylolpropane, ^{1}H and ^{13}C NMR analysis of the synthesis of polyarylene sulphonoxides based on - and dichlorodiphenylsulphone 5, 1183
Dipole relaxation, temperature coefficient of the activation energy of - and heat expansion of polymers 9, 2277
Discharge plasma, study of the structure of thin polysiloxane films prepared in - at low temperatures 12, 2864
Disperse structure and mechanical properties of extruded polypropylene–polystyrene blends 8, 1825
Dispersion, the influence of viscosity and - of incompatible polymers on fibre formation in their blends 7, 1617
Distribution curves, method of determining the linear rate of propagation of micro-crakes by plotting - during deformation of polymers in liquid media 8, 2040
Distribution functions by size and friction coefficients of randomly branched macromolecules 6, 1289
Divinylbenzene, influence of the concentration of the crosslinking agent on the mechanical properties of ionite membranes based on a fluoroplastic and the copolymer of 2,5-methylvinylpyridine and - 11, 2718
Divinylbenzene, study of the structure and deformation properties of films from compositions of a fluoropolymer and copolymer of 2,5-methylvinylpyridine and - 4, 915
Divinyl ethers, synthesis of porous reticular copolymers of - of hydroquinone and diethylene glycol and their testing as sorbents in liquid chromatography 7, 1563
Dodecalactam, use of acticators in indirect action for controlling the rate of anionic polymerization of - 2, 473
Domain structure, effect of chemical structure of two-component melt of heteropolymers on the formation of - 9, 2232
Domain structure, fluctuations and the formation of - in heteropolymers 9, 2223
Donor-acceptor complexes, the part played by - in the photo- or electro-initiated isoprene copolymerization with mono-maleates 3, 637
Durability times, spectrum of - of polymer films 9, 2267
Dynamic birefringence, effect of solvents on - of polymer solutions 5, 1258
Dynamic heat ageing — a rapid method of evaluating the heat stability of polymers according to the variation of mechanical properties 6, 1508
Dynamics of the system of intermolecular hydrogen bonds in strained polymers 9, 2134
Dynamics, recrystallization phenomena in high molecular weight compounds and their role in - of melting 12, 2915
Dynamo-optical properties, the hydrodynamic and - of callulose dihydrate solutions 2, 358

Elastic deformation, features of the development of forced - during the stretching of glasslike polyethylene terephthalate in an adsorption-active medium 10, 2464
Elastic deformation, special features of - of uniaxially oriented high-density polyethylene 11, 2760
Elastic properties, relation between strength and - of polymers 9, 2241
Elastomer, influence of holding time on the processes of molecular ordering in a butadiene - 8, 1802

Elastomers, anisotropy of wetting and the molecular orientation capacity of - under deformation 8, 1944
Elastomers, determining of the degree of crystallinity of - under stretching 1, 59
Elastomers, influence of the pressure of gaseous madia on the relaxation properties of - 9, 2210
Elastomers, relaxation processes in crystallizing and non-crystallizing - 1, 67
Elastomers, the influence of ambient factors on the volume redistribution of ingredients in — 9, 2166
Electrical birefringence of solutions of aromatic polyamide hydrazide in dimethyl sulpoxide 4, 978
Electrical conductivity, on anomalies in the dependence of the - of polymeric ion-radical salts of 7,7,8,8-tetracyanoquimethane on aliphatic ionene polycation structure 4, 894
Electro-conductance, the - by non-polar polymers bombarded with low-energy electrons 1, 111
Electro-conductance, the - of polyethylene terephthalate induced by low-energy electron bombardment 1, 120
Electrolyte, distribution of electrolytes and phase equilibria in a cellulose ether–water–system 3, 704
Electro-optical properties of comb-like polymers with a different distance of the mesogenic side groups from the main chain 11, 2606
Electrophysical properties and molecular mobility of carborane-containing polyheteroarylenes 10, 2537
Electrophysical properties, effect of high pressure on certain - of iodine-doped polymer with a conjugation system 11, 2641
Electron bombardment, the electro-conductance of polyethylene terephthalate induced by low-energy - 1, 120
Electron spin-lattice relaxation, the - in pyrolyzed poly-2-methyl-5-ethylpyridine 1, 134
Electrons, the electro-conductance by non-polar polymers bombarded with low-energy - 1, 111
Elementary thermodynamic units, a study of the parameters of the - of macromolecules of heterochain polymers in melts 11, 2678
Elongation, spontaneous — of cellulose acetate plastics 3, 565
Enthalpy, multiplicity of the temperature dependence of the - of amorphous polymers in the vicinity of glass transition temperature 12, 2953
Epichlorohydrin oligomers, gel-permation chromatography of - 10, 2520
Epoxide, the role of proton-donors in cyclotrimerization of isocanates by the action of an amine– - catalytic system 11, 2768
Epoxide diane resins, methods of determining the composition of low-molecular weight - 8, 2034
Epoxide polymers, change in the supermolecular structure of - under the influence of solvents 11, 2646
Epoxides, infrared analysis of the conditions of synthesis of alkyl alumoxane complex catalysts influencing their activity in the copolymerization of - 7, 1688
Epoxides, the stabilization of polyvinyl chloride by - in the presence of salts of coordinatively unsaturated metals 11, 2671
3,4-Epoxyhexahydrobenzyl acrylate, copolymerization of - with vinyl monomers 4, 867
Epoxy-rubber, pulsed NMR study of - systems 11, 2747
Equilibrium branched polycondensation, consideration of cyclization in the theory - 10, 2477

Equilibrium swelling of filled vulcanizates of natural rubber 2, 455
ESR analysis of the thermal and thermooxidative degradation of polyamidoimide films 2, 393
ESR method, study of the initiating capacity of the trialkyl boron + tert. butylperoxytrimethyl silicon system in presence of vinyl monomers by the - 3, 493
Ethylene, effect of oxygen on the activity of a supported vanadium catalyst during phase polymerization of - 10, 2392
Ethylene, rheologocal properties of - –propylene copolymers at small shear stresses 6, 1488
Ethylene oxalate, calorimetric study of - , polyethylene oxalate and parameters of the polymerization of ethylene oxalate in the range 8–450 K 7, 1695
Ethylene-propylene rubber, homogenization of blends of polypropylene and - under shear in the presence of inorganic fillers 5, 1081
External field, the liquid-crystalline solution of persistent macromolecules in an - 12, 2958
External fileds, liquid-crystalline ordering in solutions of rigid macromolecules in the presence of - 8, 1989
Extruded polypropylene–polystyrene blens, disperse structure and mechanical properties of - 8, 1825
Extruded polypropylene–polystyrene blends, morphology of - 8, 1811

Ferric chloride, a comparative kinetic description of the photoreduction of - and tetraethyl ammonium tetrachloroferrate additives in solid polymethylmethacrylate 2, 378
Fibre, the influence of viscosity and dispersion of incompatible polymers on - formation in their blends 7, 1617
Fibres, chemical structure of polyphenylene-1,3,4-oxadiazole and - based on them 1, 41
Fibres, diffraction study of the structure of ion exchange - from polypropylene modified by grafted polystyrene 8, 1797
Fibres, supermolecular structure of graft copolymers of cotton and cellulose hydrate - with certain fluorine-containing polymers 4, 800
Filled polymers, relaxational φ-transition in - and molecular mobility of active filler particles 9, 2099
Films, ESR analysis of the thermal and thermooxidative degradation of polyamidoimide - 2, 393
Films, influence of the prehistory of formation of - from solutions on their longevity 11, 2626
Films, study of the structure and deformation properties of - from compositions of a fluoropolymer and copolymer of 2,5-methylvinylpyridine and divinylbenzene 4, 915
Flexible and rigid polymers, orientational strengthening of - 5, 1151
Flexible chain polymers, temperature dependence of expansion of crystalline lattices of some - 8, 1837
Flexible polymer chain, concentration dependence of the mean dimensions of the - in semi-dilute solutions as judged by "computer experimental" data 3, 518
Flurine-containing polymers, supermolecular structure of graft copolymers of cotton and cellulose hydrate fibres with certain - 4, 800
Fluoroplast films, microscope study of the structure and decomposition of - produced from powder by caking and condensation under vacuum 4, 861
Fluoroplastic, influence of the concentration of the crosslinking agent on the me-

chanical properties of ionite membranes based on a - and the copolymer of 2,5-methylvinylpyridine and divinylbenzene 11, 2718
Fluoropolymer, study of the structure and deformation properties of films from composition of a - and copolymer of 2,5-methylvinylpyridine and divinylbenzene 4, 915
Foam polyurethanes, use of the thermofluctuation concept of strength for evaluating the serviceability of — 5, 1042
Foamed elastic polyurethanes, a statistical study of the fracture of - under short-term loading 7, 1585
Fractionation, checking the selectivity of - by distribution between two liquid phases of polymers capable of forming hydrogen bonds 1, 185
Fracture, a statistical study of the - of foamed elastic polyurethanes under short-term loading 7, 1585
Free induction signal, the - from amorphous parts of partially crystalline polymers 12, 2971
Friction coefficients, distribution functions by size and - of randomly branched macromolecules 6, 1289

Gas phase polymerization, effect of oxygen on the activity of a supported vanadium catalyst during - of ethylene 10, 2392
Gaseous media, influence of the pressure of - on the relaxation properties of elastomers 9, 2210
Gases, permeability of - through an asymmetric polyvinyl trimethyl silane membrane 6, 1500
Gel-point, calculation of the - for non-equilibrium polycondensation taking into account the "substitution effect" 10, 2512
Gel points, calculation of - taking account of cyclization reactions 10, 2489
Gelatin, high resolution NMR analysis of conformation transitions in aqueous solutions of - 9, 2182
Gel-chromatograph, combination of a - with an automatic viscometer. Calibration according to molecular weight of the polymer correcting for instrumental broadening 9, 2295
Gel-penetration chromatography, possibilities of - as an absolute method of determining the parameters of the molecular weight distribution of polymethylmethacrylates 10, 2400
Gel-permeation chromatography of epichlorohydrin oligomers 10, 2520
Gel-permeation chromatography, study of block copolymers by - 6, 1512
Gels, study of the structure of solutions and - of polypyromellitimide and polyterephthalamide of anilinephthalein in dimethylformamide 6, 1456
Glass transition, radiation-induced low-temperature cationic graft polymerization of vinyl-n-butyl ether to polyvinyl chloride in the - 2, 440
Glass transition process, the - with oriented, flexible polymers 1, 77
Glass transition temperature, multiplicity of the temperature dependence of the enthalpy of amorphous polymers in the vicinity of the - 12, 2953
Glass transition temperatures, coefficients of translational and rotational diffusion of low-molecular compounds in polymers with various - 3, 592
Glasslike polyethyleneterephthalate, features of the development of forced elastic deformation during the stretching of - in an adsorption-active medium 10, 2464
Glassy state, experimental study of the volume compliance of polymeric systems in the - 10, 2440

Glow discharge, polymerization of polyfluoroaromatic compounds in - 1, 178
Glycerol, impulse-NMR study of polyvinyl chloride– - systems 4, 849
Glycidyl ether, conversions of the reactive polymerization centres in - by tertiary amines 2, 335
Graft copolymers, supermolecular structure of - of cotton and cellulose hydrate fibres with certain fluorine-containing polymers 4, 800
Graft copolymers, the synthesis of - of polycaproamide with polydimethylaminoethyl methacrylate, using a reversible redox system 11, 2663
Graft polymerization, radiation-induced - of acrylic acid to powdered low-pressure polyethylene 8, 2015
Graft polymerization, the radiation-induced - of acryloyl chloride to polyethylene and polyethylene terephthalate 2, 406
Grafted polystyrene, diffraction study of the structure of ion exchange fibres from polypropylene modified by - 8, 1797

^{1}H and ^{13}C NMR analysis of the synthesis of polyarylene sulphonoxides based on diphenylolpropane and dichlorodiphenylsulphone 5, 1183
^{1}H and ^{13}C NMR method, study of polyether thermoelastoplasts by the - 9, 2149
^{1}H and ^{13}C NMR spectra, relation between chemical shift values in - of vinyl monomers and some parameters of their reactivity in radical polymerization and copolymerization 9, 2252
Halogen-containing polyarylate-sulphone block copolymers, the synthesis and properties of - 12, 2941
Haloidaromatic esters, synthesis and properties of polymers of - of 2-methyl-1,3-butadienylphosphonic acid 4, 930
HCl acceptors, kinetics of the dehydrochlorination of polyvinylchloride in a closed system in the presence of - 9, 2195
Heat expansion, temperature coefficient of the activation energy of dipole relaxation and - of polymers 9, 2277
Heat of wetting and porous structure of network copolymers 12, 2903
Heat stability, dynamic heat ageing—a rapid method of evaluating the - of polymers according to the variation of mechanical properties 6, 1508
Heating, the hydrogen bond and its effect on spontaneous orientation during the - of aromatic polyamides 5, 1109
Heterochain polymers, a study of the parameters of the elementary thermodynamic units of macromolecules of - in melts 11, 2678
Heterogeneity, study of unit - of polyheteroarylenes by NMR spectroscopy. Review 9, 2047
Heterogeneous polyamides, synthesis and study of - containing *m*-carborane 11, 2788
Heterogeneous reaction, study of the — of formation of primary products of addition in the synthesis of phenol-formaldehyde and naphthalene-phenol-formaldehyde oligomers 6, 1421
Heterogeneous Ziegler–Natta catalysts, study of the interaction of components of - using the Monte Carlo method 12, 2985
Heterogenization, structural — processes in rubber–oligomer compositions 9, 2215
Heteropolymers, effect of chemical structure of two-component melts of - on the formation of domain structure 9, 2232
Heteropolymers, fluctuations and the formation of domain structure in - 9, 2223
Hexamethyl cyclotrisiloxane, anionic non-equilibrium copolymerization of - with *cis* and *trans*-isomers of 1,3,5-trimethyl-1,3,5-triphenyl cyclotrisiloxane 1, 27

Hexamethylcyclotrisiloxane, polymerization of - by α,ω-bis-(tetramethylammonium) oligodimethylsiloxane in the presence of trimethylsilanol 8, 1998
High-density polyethylene, special features of elastic deformation of uniaxially oriented - 11, 2760
High molecular weight compounds, rescrystallization phenomena in — and their role in dynamics of melting 12, 2915
High pressure, effect of - on certain electrophysical properties of iodine-doped polymers with a conjugation system 11, 2641
High pressure, kinetic features of polymerization of 1,1,2,3-tetrachlorobuta-1,3-diene under - 12, 3015
High pressure, physico-mechanical properties of polymers subjected to the simultaneous action of - and shear deformation 1, 211
High pressure, the energies and volumes of activation of plastic flow of some polymers under - 9, 2160
High pressure polyethylene, determination of the molecular weight distribution of - and calculation of the rate constants of the main chemical reaction 6, 1367
High pressures, a calorimetric study of changes in crystalline polymers and their blends under the simultaneous action of - and shear strains 5, 1073
High resolution NMR analysis of conformation transitions in aqueous solutions of gelatin 9, 2182
High-temperature polymer superconductors, state of research into the production of - . Review 2, 229
High temperature pyrolysis, the effect of phosphorus on the - of polymethylmethacrylate 1, 73
Homo- and copolymers, analysis of the content and distribution of the double bonds for vinyl chloride - with a different molecular mass distribution 5, 1047
Homogenization of blends of polypropylene and ethylene-propylene rubber under shear in the presence of inorganic fillers 5, 1081
Hydration, IR spectroscopic study of - of cellulose acetates and polyvinyl acetate 11, 2778
Hydration, IR-spectroscopic study of - of the carboxyl-containing cellulose and polyacrylic acid 6, 1279
Hydration numbers, method of determining - of polymers in solution 12, 3034
Hydrocarbon, main regularities of polymerization of butadiene by the action of a composite sodium–aluminium organic initiator in - medium 7, 1742
Hydrodynamic and conformational properties of molecules of the poly-*p*-methacryloyl oxybenzoic ester of *p*-n-nonyloxyphenol 7, 1671
Hydrodynamic and dynamo-optical properties, the - of cellulose dinitrate solutions 2, 358
Hydrodynamic characteristics and light scattering of solutions of a styrene–acrylonitrile copolymer prepared in a precipitant 7, 1734
Hydrogen bond, effect of the - on the intramolecular organization of polymers containing cholesterol 5, 1248
Hydrogen bond, the - and its effect on spontaneous orientation during the heating of aromatic polyamides 5, 1109
Hydrogen bonds, checking the selectivity of fractionation by distribution between two liquid phases of polymers capable of forming - 1, 185
Hydrogen bonds, dynamics of the system of intermolecular - in strained polymers 9, 2134
Hydrogen peroxide, study of oligomerization of isoprene on initiation with - 6, 1312
Hydrogenation, complex of Rh(III) and polyethyleneimine and their catalytic activity in - of cyclohexene 7, 1775
Hydroquinone, on features of the oligomerization of - under auto-oxidation 10, 2434

Hydroquinone, synthesis of porous reticular copolymers of divinyl ethers of - and diethylene glycol and their testing as sorbents in liquid chromatography 7, 1563
Hydroperoxide groups, inhibiting action of bis-phenols on oxidation of polypropylene containing - 4, 938
Hydroxyl-containing compounds, relative reactivity of organosilicon oligomers with terminal isocyanate groups in reactions with - 4, 769
Hydroxyl end groups, kinetics of interaction of *m*-chlorophenylisocyanate with - of oligobutadienes 4, 964

Imidization, investigation of the kinetics of chemical - 4, 791
Impulse-NMR study of polyvinyl chloride–glycerol systems 4, 849
Incompatible polymers, the influence of viscosity and dispersion of - on fibre formation in their blends 7, 1617
Indole-containing luminescent groups, polarized luminescence of polymers with - 8, 1896
Indolinospiropyranes, special aspects of the photochromism of - in comb-like polymers 11, 2635
Infrared analysis of the conditions of synthesis of alkyl alumoxane complex catalysts influencing their activity in the copolymerization of epoxides 7, 1688
Infrared investigation of the structure of urea-formaldehyde oligomers synthesized in the presence of amines 8, 1974
Inhibited oxidation, mechanism of degradation of *cis*-1,4-poly-isoprene in conditions of - 12, 2859
Inhibited radical polymerization, kinetic description of - considering reagent consumption 4, 987
Inhibiting action of bis-phenols on oxidation of polypropylene containing hydroperoxide groups 4, 938
Inhibiting action, polymeric nature of the - of polyarylene methylenes 4, 952
Inhibition, study of kinetics of - of thermo-oxidation of polyethylene by carbon black 6, 1462
Inhibition, thermal polymerization of styrene and its - . Kinetics and mechanism. Review 7, 1527
Inhibition effect, the detection and study of the localized (selective) - in the radical-initiated three-dimensional polymerization of triethylene glycol dimethacrylate 1, 149
Inhibitors, application of some - to the study of radical initiation 7, 1749
Initiation, chemical modification and calcium carbonate surface by 4-azo-bis-4-cyanpentanoic acid and its effect on - and polymerization 4, 808
Initiator, effect of the nature of the - on the kinetics of polymerization of vinylchloride at high conversions and on the thermal stability of polyvinylchloride 6, 1360
Initiator, kinetic parameters of inhibited radical polymerization based on the dependence of the initial rate on the concentration of - and monomer 4, 877
Initiators, polymerization of butadiene under the action of sodium organic - in slightly polar media 2, 388
Inorganic compounds, structurization of low molecular weight - introduced into polymers during their deformation in liquid media 6, 1430
Inorganic fillers, homogenization of blends of polypropylene and ethylene-propylene rubber under shear in the presence of - 5, 1081
Intermacromolecular reactions, cooperative - with lignosulphonates 7, 1725
Intermolecular hydrogen bonds, dynamics of the system of - in strained polymers 9, 2134

Intermolecular interaction, potential of the - and initial viscosity of polymer melts in model of overlapping statistical coils 10, 2347
Intermolecular interaction, results of study of - in polyarylates 10, 2326
Intramolecular organization of polymers, effect of hydrogen bonds on the - containing cholesterol 5, 1248
Intramolecular structuring in solutions of comb-like polymers 1, 1
Iodine-doped polymers, effect of high pressure on certain electrophysical properties of - with a conjugation system 11, 2641
Ionite membrane, influence of the concentration of the crosslinking agent on the mechanical properties of - based on a fluoroplastic and the copolymer of 2,5-methylvinylpyridine and divinylbenzene 11, 2718
Ionogenic groups, investigation of the effect of - on molecular mobility in polyestermaleate 8, 1859
Ionomer, sorption and diffusion study of mutually penetrating networks based on polyurethane and its - 1, 126
Ions, macromolecular macrocyclic compounds: binding of - , small molecules and polymers. Review 5, 1007
IR region, spectrophotometric titration in the - of 2-methyl-5-vinyl pyridine–acrylic acid copolymers 1, 205
IR spectroscopic study of hydration of cellulose acetates and polyvinyl acetate 11, 2778
IR-spectroscopic study of hydration of the carboxyl-containing celluloses and polyacrylic acid 6, 1279
Isocyanate groups, relative reactivity of organosilicon oligomers with terminal - in reactions with hydroxyl-containing compounds 4, 769
Isocyanates, the role of proton-donors in cyclotrimerization of - by the action of an amide–epoxide catalytic system 11, 2768
Isomers, a ^{13}C NMR study of structural - and compositional sequences in oligoesters based on propylene oxide and maleic anhydride 3, 549
Isoprene, investigation of the mesomorphic properties of solutions of an isoprene–α-methylstyrene– - triblock copolymer 6, 1327
Isoprene, study of oligomerization of - on initiation with hydrogen peroxide 6, 1312
Isoprene, study of the alternating copolymerization of - and propylene using complex compounds of titanium and vanadium as catalysts 10, 2457
Isoprene copolymerization, the part played by donor-acceptor complexes in the photo- or electro-initiated - with mono-maleates 3, 637
Isoprene rubber, kinetics of changes in molecular characteristics of - (SKI-3) during melting 4, 945
Isotactic polypropylene, the decay of peroxide macroradicals in the crystalline phase of - 6, 1402
Isotropic and oriented blends, action of ozone on - of polypropylene and polyethylene. On the influence of deformation on the rate of oxidation 11, 2754
Ion exchange fibres, diffraction study of the structure of - from polypropylene modified by grafted polystyrene 8, 1797

Kinepectic reinforcement and relaxation of coordination-polymer gels of aluminium soaps 7, 1709
Kinetic characteristics of the inhibiting effect of 4-tert-butyl-2,6-dimercaptophenol on oxidation of polypropylene 2, 462

Kinetic description, a comparative - of the photoreduction of ferric chloride and tetraethyl ammonium tetrachloroferrate additives in solid polymethylmethacrylate **2,** 378
Kinetic description of inhibited radical polymerization considering reagent consumption **4,** 987
Kinetic factors, effect of diffusional and - on the post-radiation oxidation of polyolefines **12,** 2908
Kinetic features of polymerization of 1,1,2,3-tetrachlorobuta-1,3-diene under high pressure **12,** 3015
Kinetic features of the non-catalytic reaction of phenol with phenylglycidyl ether **12,** 2895
Kinetic features, the study of - of the radical polymerization of styrene, initiated by *o,o'*-carbo-tert-butylperoxysuccinyl peroxide **1,** 98
Kinetic parameters of inhibited radical polymerization based on the dependence of the initial rate on the concentration of initiator and monomer **4,** 877
Kinetic study of solid-phase reactions with the participation of radicals **9,** 2173
Kinetics and mechanism of decay of peroxide radicals in oxidation of solid polypropylene **1,** 217
Kinetics, analysis of the thermal cyclization - of solid-state polyamic acids **5,** 1103
Kinetics, effect of the nature of the initiator on the - of polymerization of vinylchloride at high conversions and on the thermal stability of polyvinylchloride **6,** 1360
Kinetics, features of the - of deformation of oriented polyethylene **5,** 1212
Kinetics, influence of the porosity of cyrboxyl carbonites of Solose K on the diffusion and - of H_2O sorption **10,** 2452
Kinetics, influence of the structural ordering of liquid oligomers on the - of radiation-induced polymerization **11,** 2713
Kinetics, investigation of the - of chemical imidization **4,** 791
Kinetics, method for the study of - of photopolymerization in the lower layer of pigmented films **9,** 2287
Kinetics of changes in molecular characteristics of isoprene rubber (SKI-3) during melting **4,** 945
Kinetics of interaction of *m*-chlorophenylisocyanate with hydroxyl end groups of oligobutadienes **4,** 964
Kinetics of radiation polymerization of allylpyridazones **2,** 286
Kinetics of radiation polymerization of tetrafluoroethylene adsorbed on silica gel at 196°K **2,** 279
Kinetics of radical polymerization of 1-vinyl-1,2,4-triazole **10,** 2529
Kinetics of the dehydrochlorination of polyvinylchloride in a closed system in the presence of HCl acceptors **9,** 2195
Kinetics of the thermal oxidation of polydimethylphenylene oxide **4,** 902
Kinetics, polarographic analysis of - of synthesis of polyelectrolytes by combination of depolarizer ions with macromolecules **3,** 732
Kinetics, study of - of inhibition of thermo-oxidation of polyethylene by carbon black **6,** 1462
Kinetics, study of the - and thermodynamics of thermal breakdown of reticular polymers of dimethacrylic esters of n-alkylene glycols **10,** 2378
Kinetics, the crystallization - of block copolymer mixtures and multiple blocks of polyoxythylene and polyarylate **5,** 1116
Kinetics, thermal polymerization of styrene and its inhibition. - and mechanism. Review **7,** 1527

dl-**Lactide,** thermodynamics of - , polylactide and polymerization of *dl*-lactide in the range of 0–430 K **7,** 1702
Ladder type polyphenylsiloxanes, conformational and optical properties of molecules of - and its chlorinated derivatives **10,** 2405
Latex polymers, dielectric and nuclear magnetic relaxation in - in relation to their morphological properties **5,** 1159
Light absorption, the evolution of - induced in polymers by photo-ageing **5,** 832
Light scattering, anisotropic - with the persistent chain model **2,** 314
Light scattering, hydrodynamic characteristics and - of solutions of a styrene–acrylonitrile copolymer prepared in a precipitant **7,** 1734
Lignosulphonates, cooperative intermacromolecular reactions with - **7,** 1725
Liquid chromatography, determining coefficients K_a and a for oligomers using - **3,** 728
Liquid chromatography, molecular weight analysis of oligomers using highly efficient exclusion - **8,** 2024
Liquid compounds, dilatometers and dilatometric installations for the study of photo-initiated polymerization of - based on oligourethane acrylates **10,** 2555
Liquid-crystalline ordering in solutions of rigid macromolecules in the presence of external fields **8,** 1989
Liquid-crystalline solution, the - of persistent macromolecules in an external field **12,** 2958
Liquid media, method of determining the linear rate of propagation of micro-cracks by plotting distribution curves during deformation of polymers in - **8,** 2040
Liquid media, structurization of low molecular weight inorganic compounds introduced into polymers during their deformation in - **6,** 1430
Liquid medium, conformation transitions in polyethylene terephthalate on crystallization by the action of a - **2,** 468
Liquid oligomers, influence of the structural ordering of - on the kinetics of radiation-induced polymerization **11,** 2713
Liquid organic media, on the nature of the influence of - on the mechanical properties of glassy polymers **9,** 2187
Liquid plasticizing media, the influence of - on the deformation of crystalline polyolefines **8,** 1927
Liquid thiokol, effect of mineral salts on the structure of - **5,** 1243
Lipid bilayer, structure of the - . "Computer experimental" and "scaling" theory **10,** 2356
Loading, a statistical study of the fracture of foamed elastic polyurethanes under short-term - **7,** 1585
Low concentrations, on the use of a real gas model to describe the properties of polymer solutions in the region of extremely - **12,** 2929
Low deformation, relaxation time spectra of polymers in the range of - **6,** 1468
Low density polyethylene, relaxational spectrometry of - **9,** 2107
Low-molecular compounds, coefficients of translational and rotational diffusion of - in polymers with various glass transition temperatures **3,** 592
Low molecular weight compounds, formation of - during mechanical degradation of macromolecules **9,** 2202
Low molecular weight compounds, the mechanism of thermal degradation of - modelling the structure of network polymers based on diepoxides and aromatic and aliphatic amines **3,** 647
Low-molecular weight epoxide diane resins, methods of determining the composition of - **8,** 2034
Low molecular weight fractions, effect of - and side branches in the main chain of the

macromolecules on the recrystallization process during pressure annealing of polyethylene 10, 2385
Low molecular weight inorganic compounds, structurization of - introduced into polymers during their deformation in liquid media 6, 1430
Low molecular weight products of the breakdown of peroxide radicals in polystyrene and polyvinylcyclohexane at room temperature 1, 190
Low molecular weight products, on the influence of secondary - on the polymerization rate of propylene by the $TiCl_3$-based catalytic system 2, 412
Low-substituted soluble cellulose acetates, preparation and study of properties of primary - 6, 1495
Low temperature radiation polymerization of tetrafluoroethylene in the glassy matrix of perfluoroalkanes 3, 511
Low temperatures, study of the structure of thin polysiloxane films prepared in discharge plasma at - 12, 2864
Luminescence, intrachain - quenching in solutions of anthracene-containing polymers based on plymethyl methacrylate 7, 1578
Luminescence, polarized - of polymers with indole-containing luminescent groups 8, 1896

Macromolecular macrocyclic compounds: biding of ions, small molecules and polymers. Review 5, 1007
Macromolecular therapeutic systems, physiologically active polymers and - 4, 743
Macromolecules, a study of the parameters of the elementary thermodynamic units of - of heterochain polymers in melts 11, 2678
Macromolecules, conformation and optical anisotropy of comb-like - with mesogenic side groups 10, 2340
Macromolecules, diagram of state for a solution of semi-rigid - 10, 2416
Macromolecules, distribution functions by size and friction coefficients of randomly branched - 6, 1289
Macromolecules, distribution of branching centres along - in branched radical polymerization 2, 445
Macromolecules, effect of low molecular weight fractions and size branches in the main chain of the - on the recrystalilzation process during pressure annealing by polyethylene 10, 2385
Macromolecules, formation of low molecular weight compounds during mechanical degradation of - 9, 2202
Macromolecules, liquid-crystalline ordering in solutions of rigid - in the presence of extremal fields 8, 1989
Macromolecules, molecular weight distribution and distribution of branching centres along - during radical polymerization of vinyl monomers with the formation of unsaturated end groups 7, 1767
Macromolecules, nomenclature and terminology in the field of - 1, 226
Macromolecules, notes on the theory of adsorption of a single - 6, 1344
Macromolecules, phase transitions on adsorption of - 9, 2088
Macromolecules, polarographic analysis of kinetics of synthesis of polyelectrolytes by combination of depolarizer ions with - 3, 732
Macromolecules, refractometric method of analysis of chemical conversions of - in solution 11, 2813
Macromolecules, structural transformations in polymer - with mesogenic groups in side chains 4, 922

Macromolecules, substitution reactions in ternary systems of - 2, 367
Macromolecules, the features of orientation of - in polytetrafluoroethylene films 7, 1611
Macromolecules, the liquid-crystalline solution of persistent - in an external field 12, 2958
Macroradicals, the decay of peroxide - in the crystalline phase of isotactic polypropylene 6, 1402
Macroscopic stages of peroxide initiator conversions in polyamides 6, 1407
Maleic anhydride, a ^{13}C NMR study of structural isomers and compositional sequences in oligoesters based on propylene oxide and - 3, 549
Mass spectrometric thermal analysis of the cyclodehydration of polyamic acids 12, 2922
Mass-spectrometry, study of mixtures of polyethylene and polydeuteroethylene by secondary emission - 2, 487
Mathematical modelling of caprolactam polymerization 5, 1091
Mathematical simulation, application of - for the analysis of molecular weight heterogeneity of polymers by rapid sedimentation and viscometry 6, 1518
Mechanical behaviour, the - of polyvinyl chloride and of PVC blended with a rubber modifier over a wide range of deformation rates 10, 2472
Mechanical degradation, formation of low molecular weight compounds during - of macromolecules 9, 2202
Mechanical field, birefringence of polymethylmethacrylate in a sinusoidal - 6, 1306
Mechanical properties, disperse structure and - of extruded polypropylene–polystyrene blends 8, 1825
Mechanical properties, dynamic heat ageing—a rapid method of evaluating the heat stability of polymers according to the variation of - 6, 1508
Mechanical properties, influence of the concentration of the crosslinking agent on the - of ionite membrane based on a fluoroplastic and the copolymer of 2,5-methylvinylpyridine and divinylbenzene 11, 2718
Mechanical properties, on the nature of the influence of liquid organic media on the - of glassy polymers 9, 2187
Mechanical properties, reasons for lowering of - of polymers during deformation in adsorption-active media 11, 2706
Mechanical properties, the - of highly dispersed oriented polyethylene terephthalate 9, 2120
Melt index, relationship between the - and the value of expansion of a jet of a polymer melt flowing out of a hole 6, 1269
Melting, kinetics of changes in molecular characteristics of isoprene rubber (SKI-3) during - 4, 945
Melting, recrystallization phenomena in high molecular weight compounds and their role in the dynamics of - 12, 2915
Melting point, equilibrium in the system polycaproamide–caprolactam–water below the - of the polymer 6, 1319
Melts, a study of the parameters of the elementary thermodynamic units of macromolecules of heterochain polymers in - 11, 2678
Mesogenic groups, intramolecular mobility of polymers with - in the side chains 7, 1664
Mesogenic groups, structural transformations in polymer macromolecules with - in side chains 4, 922
Mesogenic side group, electro-optical properties of comb-like polymers with different distance of the - from the main chain 11, 2606
Mesogenic side groups, conformation and optical anisotropy of comb-like macromolecules with - 10, 2340
Mesomorphic properties, investigation of the - of solutions of an isoprene–α-methylstyrene–isoprene triblock copolymer 6, 1327

Metal, oligometalphenyl siloxanes and the effect of the type of - on their properties 4, 996
Metal atoms, using the effect of re-evaporation of - for the study of surface properties of polymers 5, 1254
Metal compounds, concerning the degradation of polyoxyethylene fragments of oxyethylated compounds during complex-formation with transition - 6, 1351
Metal-containing oligoethylphenylsiloxanes, on the influence of the metal on the properties of - 8, 1920
Metals, the stabilization of polyvinyl chloride by epoxides in the presence of salts of coordinatively unsaturated - 11, 2671
Metathesis catalysts, investigation of the mechanism of polypentenamer degradation in the presence of - 1, 164
Methacrylic acid, viscoelastic properties of plastisols based on the copolymer of methyl methacrylate and - during their transition to plastigels 12, 2947
2-Methyl-1,3-butadienylphosphonic acid, synthesis and properties of polymers of haloidaromatic esters of - 4, 930
1-Methylcyclooctadiene polymer, structure of - as judged by the ^{13}C NMR spectra 4, 775
Methylmethacrylate, effect of the physico-mechanical properties of - , butadiene and styrene copolymers on the impact strength of their compositions with polyvinylchloride 4, 824
Methyl methacrylate, relation of auto-acceleration in radical polymerization of - in bulk structural changes of the polymerizing system 10, 2547
Methyl methacrylate, viscoelastic properties of plastisols based on the copolymer of - and methacrylic acid during their transition to plastigels 12, 2947
N-methylolacrylamide, a spectroscopic study of the thermo-oxidative degradation of copolymers of acrylonitrile with - 7, 1597
α-Methylstyrene, investigation of the mesomorphic properties of solutions of an isoprene– - –isoprene triblock copolymer 6, 1327
2,5-Methylvinylpyridine, influence of the concentration of the crosslinking agent on the mechanical properties of ionite membranes based on a fluoroplastic and the copolymer of - and divinylbenzene 11, 2718
2-Methyl-5-vinyl pyridine, spectrophotometric titration in the IR region of - –acrylic acid copolymers 1, 205
2,5-Methylvinylpyridine, study of the structure and deformation properties of films from composition of a fluoropolymer and copolymer of - and divinylbenzene 4, 915
Microscope study of the structure and decomposition of fluoroplast films produced from powder by caking and condensation under vacuum 4, 861
Micro-cracks, method of determining the linear rate of propagation of - by plotting distribution curves during deformation of polymers in liquid media 8, 2040
Mineral salts, effect of - on the structure of liquid thiokol 5, 1243
Molecular mass distribution, analysis of the content and distribution of the double bonds for vinyl chloride homo- and copolymers with a different - 5, 1047
Molecular mobility, electrophysical properties and - of carborane-containing polyheteroarylenes 10, 2537
Molecular mobility in ternary block copolymer solutions 4, 873
Molecular mobility, investigation of the effect of ionogenic groups on - in polyestermaleate 8, 1859
Molecular mobility, relaxational φ-transition in filled polymers and - of active filler particles 9, 2099
Molecular mobility, study of - in filled and unfilled crosslinked organosilicon rubbers 10, 2422

Molecular mobility, study of the structure and - of crystalline polyethylene by the methods of photo-elasticity and torsion pendulum 7, 1551
Molecular networks, the study of relaxational properties of - of polyoctafluoroamyl methacrylate by photoelasticity and torsion pendulum methods 9, 2128
Molecular ordering, influence of holding time on the process of - in a butadiene elastomer 8, 1802
Molecular orientation, anisotropy of wetting and the - capacity of elastomers under deformation 8, 1944
Molecular structure, effect on properties of the - of polydiethylene glycol-sebacates 1, 200
Molecular weight, combination of a gel-chromatograph with an automatic viscometer. Calibration according to - of the polymer correcting for instrumental broadening 9, 2295
Molecular weight studies of polyarylates with short branches 1, 142
Molecular weight, the - and volume of spin probes and their effects on their rotation capacity in polymers 1, 105
Molecular weight analysis of oligomers using highly efficient exclusion liquid chromatography 8, 2024
Molecular weight distribution and distribution of branching centres along macromolecules during radical polymerization of vinyl monomers with the formation of unsaturated end groups 7, 1767
Molecular weight distribution, calculation of - of products of non-equilibrium polycondensation, considering the "substitution effect" 10, 2499
Molecular weight distribution, determination of the - of high pressure polyethylene and calculation of the rate constants of the main chemical reactions 6, 1367
Molecular weight distribution, on the - of polyarylates 2, 400
Molecular weight distribution, possibilities of gel-penetration chromatography as an absolute method of determining the parameters of the - of polymethylmethacrylates 10, 2400
Molecular weight distribution, visco-elastic properties of linear polymers and their mixtures with narrow - 5, 1194
Molecular weight heterogeneity, application of mathematical simulation for the analysis of - of polymers by rapid sedimentation and viscometry 6, 1518
Molecules, conformational and optical properties of - of ladder type polyphenylsiloxane and its chlorinated derivatives 10, 2405
Molecules, hydrodynamic and conformational properties of - of the poly-*p*-methacryloyl oxybenzoic ester of *p*-n-nonyloxyphenol 7, 1671
Molecules, macromolecular macrocyclic compounds: binding of ions, small - and polymers. Review 5, 1007
Molecules, sedimentational-diffusional and viscometric studies on solutions of poly-*m*-phenylene isophthalamide and the equilibrium rigidity of its - 11, 2689
Mono-functional components, determining the proportion of - in oligoesters by thin-layer chromatography 9, 2290
Mono-maleates, the part played by donor-acceptor complexes in the photo- or electro-initiated isoprene copolymerization with - 3, 637
Monomer, kinetic parameters of inhibited radical polymerization based on the dependence of the initial rate on the concentration of initiator and - 4, 877
Monomers units, matrix synthesis of copolymer chains with definite alternation of - 8, 1909
Monomers, copolymerization of 3,4-epoxyhexahydrobenzyl acrylate with vinyl - 4, 867
Monomers, functionality of - and structure of polymers obtained by polycondensation. Review 8, 1783

Monomers, polymerization of vinyl - on the surface of chalk activated by dicarboxyl-containing peroxide **8,** 1883
Monomers, relation between chemical shift values in ^{1}H and ^{13}C NMR spectra of vinyl - and some parameters of their reactivity in radical polymerization and copolymerization **9,** 2252
Monomers, study of the formation of polymer coatins by capsulation of solids by radiation-induced polymerization of - from the vapour-phase **3,** 696
Monomers, study of the initiating capacity of the trialkyl boron + tert-butylperoxytrimethyl silicon system in presence of vinyl - by the ESR method **3,** 493
Monte Carlo method, study of the interaction of components of heterogeneous Ziegler–Natta catalysts, using the - **12,** 2985
Morphological peculiarities, dielectric and nuclear magnetic relaxation in latex polymers in relation to their - and mechanical properties **5,** 1159
Morphology of extruded polypropylene–polystyrene blends **8,** 1811
Morphology, the - of polypropylene granules and its link with the titanium chloride texture **3,** 599

Naphthalene-phenol-formaldehyde, study of the heterogeneous reaction of formation of primary products of addition in the synthesis of phenol-formaldehyde and - oligomers **6,** 1421
Network copolymers, heat of wetting and porous structure of - **12,** 2903
Network polymers, the mechanism of thermal degradation of low molecular weight compounds modelling the structure of - based on diepoxides and aromatic and aliphatic amines **3,** 647
Networks, regular - based on α,ω-dihydroxyoligodimethylsiloxane obtained in different conditions of dilution **2,** 264
Nitrocellulose, nuclear magnetic relaxation and segmental motion of - in solution **6,** 1335
Nitrogen-phosphorus, study of complex formation of copper (II) with ampholytes containing - **3,** 678
Nitroxyl radicals, formation of - during polyamide transformations initiated by peroxides **3,** 686
NMR analysis, high resolution - of conformation transitions in aqueous solutions of gelatin **9,** 2182
NMR analysis of the crystallization of oligoesters and urethane rubbers **5,** 1170
NMR free induction, study of the shape of decay of - in polyurethanes **8,** 1967
NMR relaxation and the state of solvent molecules in solutions of polyvinylchloride and polystyrene in dibutylphthalate **12,** 3024
NMR spectroscopy, study of unit heterogeneity of polyheteroarylenes by - . Review **9,** 2047
NMR study, pulsed - of epoxy-rubber systems **11,** 2747
Non-catalytic reaction, kinetic features of the - of phenol with phenylglycidyl ether **12,** 2895
Non-oriented polymers, model for volumetric rupture of - **3,** 533
p-n-**Nonyloxyphenol,** hydrodynamic and conformational properties of molecules of the poly-*p*-methacryloyl oxybenzoic ester of - **7,** 1671
Nuclear magnetic relaxation and segmental motion of nitrocellulose in solution **6,** 1335
Nuclear magnetic relaxation, dielectric and - in latex polymers in relation to their morphological properties **5,** 1159
Nuclei, thermodynamics of the formation of secondary - **12,** 2888

Oligoamines, reactivity of aromatic - and oligochlorides on polycondensation in aqueous-organic media 3, 673
Oligoarylene sulphonoxides, properties of irregular poly-(arylate-arylene sulphonoxides) based on - with various degrees of polymerization 9, 2259
Oligobutadienes, kinetics of interaction of *m*-chlorophenylisocyanate with hydroxyl end groups of - 4, 964
Oligochlorides, reactivity of aromatic oligoamines and - on polycondensation in aqueous-organic media 3, 673
Oligoesters, a ^{13}C NMR study of structural isomers and compositional sequences in - based on propylene oxide and maleic anhydride 3, 549
Oligoesters, determining the proportion of mono-functional components in - by thin-layer chromatography 9, 2290
Oligoesters, NMR analysis of the crystallization of - and urethane rubbers 5, 1170
Oligoether acrylate, phase equilibrium in the polyvinyl chloride– - systems 3, 505
Oligoethylphenylsiloxanes, on the influence of the metal on the properties of metal-containing - 8, 1920
Oligomer and polymer π-arenemetaltricarbonyl complexes 6, 1480
Oligomer, phase structure and properties of cured - –polymer compositions 7, 1655
Oligomer, structural heterogenization processes in rubber– - compositions 9, 2215
Oligomer, the action of ultraviolet light on radiation-cured - compositions 3, 556
Oligomerization, a chromatographic study of the - of butadiene 7, 1636
Oligomerization, on feature of the - of hydroquinone under auto-oxidation 10, 2434
Oligomerization, study of - of isoprene on initiation with hydrogen peroxide 6, 1312
Oligomers, determining coefficients K_g- and a for - using liquid chromatography 3, 728
Oligomers, effect of the structure of phenolformaldehyde - on their interaction with aluminium γ-oxide 7, 1762
Oligomers, gel-permeation chromatography of epichlorohydrin - 10, 2520
Oligomers, influence of the structural ordering of liquid - on the kinetics of radiation-induced polymerization 11, 2713
Oligomers, infrared investigation of the structure of urea-formaldehyde - synthesized in the presence of amines 8, 1974
Oligomers, molecular weight analysis of - using highly efficient exclusion liquid chromatography 8, 2024
Oligomers, relative reactivity of organosilicon - with terminal isocyanate groups in reactions with hydroxyl-containing compounds 4, 769
Oligomers, study of the formation of branched diane epoxide - at advanced stages of synthesis 8, 1979
Oligomers, study of the heterogeneous reaction of formation of primary products of addition in the synthesis of phenol-formaldehyde and naphthalene-phenol formaldehyde - 6, 1421
Oligomers, the theory of adsorption and its relation to chromatographic separation of - on porous adsorbents according to molecular masses and types of functionality 3, 578
Oligometalphenyl siloxanes and the effect of the type of metal on their properties 4, 996
Oligourethane acrylates, dilatometers and dilatometric installations for the study of photo-initiated polymerization of liquid compounds based on - 10, 2555
Oligourethane urea-acrylates, structure of - 12, 2882
Optical anisotropy, conformation and - of comb-like macromolecules with mesogenic side-groups 10, 2340

Optical properties, conformational and - of molecules of ladder type polyphenylsiloxane and its chlorinated derivatives **10,** 2405
Optico-mechanical properties, study of - of poly-bis-isoprene phosphonates **12,** 3000
Organic π-acids, polymerization of 10-vinylphenanthiazine in presence of - **6,** 1274
Organic acids, study of the mechanism of the synergistic action of mixtures of zinc salts of - and polyols during thermal degradation of polyvinyl chloride **12,** 2849
Organic compounds, testing of - as stabilizers of polymer materials **3,** 528
Organo-metal compounds, features of the chain-transfer reaction of group IV B - **5,** 1127
Organosilicon oligomers, relative reactivity of - with terminal isocyanate groups in reactions with hydroxyl-containing compounds **4,** 769
Organosilicon rubbers, study of molecular mobility in filled and unfilled cross-linked - **10,** 2422
Orientated "silvery" polyethylene terephthalate films, the transverse straining of - **5,** 1056
Orientational strengthening of flexible and rigid polymers **5,** 1151
Oriented blends, action of ozone on isotropic and - of polypropylene and polyethylene. On the influence of deformation on the rate of oxidation **11,** 2754
Oriented polyethylene, features of the kinetics of deformation of - **5,** 1212
Oriented polyethylene terephthalate, the mechanical properties of highly dispersed - **9,** 2120
Overlapping statistical coils, potential of intermolecular interaction and initial viscosity of polymer melts in model of - **10,** 2347
Oxidation, action of ozone on isotropic and oriented blends of polypropylene and polyethylene. On the influence of deformation on the rate of - **11,** 2754
Oxidation, aspects of the - of poly-4-methylpentene-1 **3,** 541
Oxidation, contact - and adhesion to steel of polyethylene coatings **12,** 2840
Oxidation, effect of diffusional and kinetic factors on the post-radiation - of polyolefines **12,** 2908
Oxidation, inhibiting action of bis-phenols on - of polypropylene containing hydroperoxide groups **4,** 938
Oxidation, kinetic characteristics of the inhibiting effect of 4-tert-butyl-2,6-dimercaptophenol on - of polypropylene **2,** 462
Oxidation, kinetics and mechanism of decay of peroxide radicals in - of solid polypropylene **1,** 217
Oxidation, kinetics of the thermal - of polydimethylphenylene oxide **4,** 902
Oxidation, mechanism of degradation of *cis*-1,4-polyisoprene in conditions of inhibited - **12,** 2859
Oxidized polymers, investigation of - using a positron annihilation technique **12,** 2966
Oxyethylated compounds, concerning the degradation of polyoxyethylene fragments of - during complex-formation with transition metal compounds **6,** 1351
Oxygen, effect of - on the activity of a supported vanadium cytalyst during gas phase polymerization of ethylene **10,** 2392
Ozone, action of - on isotropic and oriented blends of polypropylene and polyethylene. On the influence of deformation on the rate of oxidation **11,** 2754
Ozone, effect of - on saturated polymers. Review **10,** 2305

Pearlite, temperature dependence of the properties of composites based on the polyethylene and - **1,** 171
Pentamethyl(ethoxy) cyclotrisiloxane, the polymerization of - **5,** 1096
Perfluoroalkanes, low temperature radiation polymerization of tetrafluoroethylene in the glassy matrix of - **3,** 511
Permeability, diffusion, sorption and - of binary solvent mixtures in polyethylene **8,** 1865

Permeability of gases through an asymmetric polyvinyl trimethyl silane membrane 6, 1500
Peroxide, polymerization of vinyl monomers on the surface of chalk activated by dicarboxyl-containing - 8, 1883
Peroxide initiator conversions, macroscopic stages of - in polyamides 6, 1407
Peroxide macroradicals, the decay of - in the crystalline phase of isotactic polypropylene 6, 1402
Peroxide radicals, kinetics and mechanism of decay of - in oxidation of solid polypropylene 1, 217
Peroxide radicals, low molecular weight products of the breakdown of - in polystyrene and polyvinylcyclohexane at room temperature 1, 190
Peroxides, formation of nitroxyl radicals during polyamide transformations initiated by - 3, 686
Persulphate, study of the effect of tris-(2-carbamoylethyl)-amine on the initiation of polymerization of acrylamide by - 7, 1719
Phase condition, the - and viscous properties of sulphuric acid solutions of polymers and copolymers based on *p*-phenylene amides 5, 1085
Phase diagrams of dioctyl sebaceate with some polymers 4, 841
Phase equilibria, distribution of electrolytes and - in a cellulose ether–water–electrolyte system 3, 704
Phase equilibrium, study of - by refractometry and the determination of second virial coefficients of polymer–plasticizer systems 3, 738
Phase state, classification of polymers according to their - 8, 1939
Phase structure and properties of cured oligomer–polymer compositions 7, 1655
Phase transitions on adsorption of macromolecules 9, 2088
Phenol, kinetic features of the non-catalytic reaction of - with phenylglycidyl ether 12, 2895
Phenol-formaldehyde, study of the heterogeneous reaction of formation of primary products of addition in the synthesis of - and naphthalene-phenol-formaldehyde oligomers 6, 1421
Phenolformaldehyde oligomers, effect of the structure of - on their interaction with aluminium γ-oxide 7, 1762
Phenolphthalein, study of the synthesis of polyarylene sulphonoxides based on - and dichlorodiphenylsulphone by ^{13}C NMR 5, 1218
Phenols, sterically hindered - —antioxidants for polyolefines. Relation of antioxidative activity to structure. Review 9, 2063
Phenyl isocyanate, co-cyclotrimerization of 2,4-toluylene diisocyanate and - 11, 2700
***p*-Phenylene amides,** the phase condition and viscous properties of sulphuric acid solutions of polymers and copolymers based on - 5, 1085
Phenylglycidyl ether, kinetic features of the non-catalytic reaction of phenol with - 12, 2895
Phosphoric acid esters, features of combustion of polymethyl methacrylate compositions with some - 4, 971
Phosphorus containing cellulose derivatives, new - 9, 2115
Phosphorus, the effect of - on the high temperature pyrolysis of polymethylmethacrylate 1, 73
Photo-ageing, the evolution of light absorption induced in polymers by - 4, 832
Photochromism, special aspects of the - of indolinospiropyranes in comb-like polymers 11, 2635
Photo-elasticity, study of the structure and molecular mobility of crystalline polyethylene by the methods of - and torsion pendulum 7, 1551
Photoelasticity, the study of relaxational properties of molecular networks of polyoctafluoroamyl methacrylate by - and torsion pendulum methods 9, 2128

Photo-initiated polymerization, dilatometers and dilatometric installations for the study of - of liquid compounds based on oligourethane acrylates 10, 2555
Photo-oxidation, change in the physicomechanical properties of polyethylene on - 2, 257
Photo-oxidation of 2,6-di-(4′-azidobenzal)cyclohexanone in polystyrene films 8, 1845
Photo-oxidation, the effects of orientation and crystallinity on the resistance of polyethylene terephthalate to - 5, 1138
Photopolymerization, method for the study of kinetics of - in the lower layer of pigmented films 9, 2287
Photoreduction, a comparative kinetic description of the - of ferric chloride and tetraethyl ammonium tetrachloroferrate additives in solid polymethylmethacrylate 2, 378
Physical stress-relaxation, power law for slow - in the rubbery condition and its experimental verification 2, 322
Physical transitions, thermo-optical method of determining temperatures of - in crystallizing plasticizers 11, 2826
Physiologically active polymers and macromolecular therapeutic systems 4, 743
Physicomechanical properties, change in the - of polyethylene on photo-oxidation 2, 257
Physico-mechanical properties, effect of the - of methylmethacrylate, butadiene and styrene copolymers on the impact strength of their compositions with polyvinylchloride 4, 824
Physico-mechanical properties, methods for determining - of individual ultra-thin polymer fibres 8, 2020
Physico-mechanical properties of polymers subjected to the simultaneous action of high pressure and shear deformation 1, 211
Pigmented films, method for the study of kinetics of photopolymerization in the lower layer of - 9, 2287
Plastic flow, the energies and volumes of activation of - of some polymers under high pressure 9, 2160
Plasticizer, effect of polymer structure and the nature and concentration of the - on the formation of defects in plasticized polyvinylchloride and vinylchloride copolymers 4, 816
Plasticizer, study of phase equilibrium by refractometry and the determination of second virial coefficients of polymer– - systems 3, 738
Plasticizers, effect of the thermodynamic affinity of - for polyvinyl chloride of the heat of its interaction with fillers 7, 1557
Plastics, mechanism for rising the impact strength of - 2, 273
Plastigels, viscoelastic properties of plastisols based on the copolymer of methyl methacrylate and methacrylic acid during their transition to - 12, 2947
Plastisols, viscoelastic properties of - based on the copolymer of methyl methacrylate and methacrylic acid during their transition to plastigels 12, 2947
Plasticizers, thermo-optical method of determining temperatures of physical transitions in crystallizing - 11, 2826
Polar media, polymerization of butadiene under the action of sodium organic initiators in slightly - 2, 388
Polar polymers, features of radiation-induced electrical conductivity of some - 7, 1754
Polarized luminescence of polymers with indole-containing luminescent groups 8, 1896
Polarographic analysis of kinetics of synthesis of polyelectrolytes by combination of depolarizer ions with macromolecules 3, 732
Poly(arylate–butadiene) block copolymer, the effect of the composition of - on the temperature-time characteristics of its thermal degradation 5, 1067

Polyamic acid, study of the reaction of - with benzoyl peroxide at room temperature 4, 782
Polyamic acid mixtures, the thermomechanical properties of polyimide compositions produced from - 6, 1375
Polyamic acids, analysis of the thermal cyclization kinetics of solid-state - 5, 1103
Polyamic acids, mass spectrometric thermal analysis of the cyclodehydration of - 12, 2922
Polyacrylamide, complex formation between polymethacrylic acid and - 7, 1683
Polyacrylic acid, IR-spectroscopic study of hydration of the carboxyl-containing celluloses and - 6, 1279
Polyamide, mechanism of reactions initiated by thermal decomposition of benzoyl peroxide in - 12, 2991
Polyamide solutions, structural features of aromatic - in sulphuric acid 6, 1388
Polyamide transformations, formation of nitroxyl radicals during - initiated by peroxides 3, 686
Polyamides, macroscopic stages of peroxide initiator conversions in - 6, 1407
Polyamides, synthesis and study of heterogeneous - containing *m*-carborane 11, 2788
Polyamides, synthesis of - based on activated diesters of pyridinecarboxylic acids 7, 1677
Polyamides, the hydrogen bond and its effect on spontaneous orientation during the heating of aromatic - 5, 1109
Polyamides, the mutual influence of components of a medium on their sorption by - 8, 1960
Polyamides, thermal degradation of compositions based on aromatic - 8, 1953
Polyamidoimide films, ESR analysis of the thermal and thermooxidative degradation of - 2, 393
Polyarylate, the crystallization kinetics of block copolymer mixtures and multiple blocks of polyoxyethylene and - 5, 1116
Poly-(arylate-arylene sulphonoxides), properties of irregular - based on oligoarylene sulphonoxides with various degrees of polymerization 9, 2259
Poly(arylate-arylene sulphonoxides), thermal degradation of - 11, 2654
Polyarylate-sulphone block copolymers, the synthesis and properties of halogen-containing - 12, 2941
Polyarylate methylenes, relation between conditions of synthesis, structure and properties of - 2, 423
Polyarylates, molecular weight studies of - with short branches 1, 142
Polyarylates, on the molecular weight distribution of - 2, 400
Polyarylates, results of study of intermolecular interaction in - 10, 2326
Polyarylene methylenes, polymeric nature of the inhibiting action of - 4, 952
Polyarylene sulphides, influence of the chemical structure of - on properties of the filled polymers 8, 1934
Polyarylene sulphonoxides, ^{1}H and ^{13}C NMR analysis of the synthesis of - based on diphenylolpropane and dichlorodiphenylsulphone 5, 1183
Polyarylene sulphonoxides, study of the synthesis of - based on phenolpthalein and dichlorodiphenylsulphone by ^{13}C NMR 5, 1218
Polybutamide solutions, the properties of - 3, 613
Polycaproamide, equilibrium in the system - –caprolactam–water below the melting point of the polymer 6, 1319
Polycaproamide, polymorphism and structural transformations of - during annealing 1, 49
Polycaproamide, the synthesis of graft copolymers of - with polydimethylaminoethyl methacrylate, using a reversible redox system 11, 2663

Polycaproamide, thermal polymerization of *p*-benzoquinone in the presence of - 3, 641
Polycation structure, on anomalies in the dependence of the electrical conductivity of polymeric ion-radical salts of 7,7,8,8-tetracyanoquinodimethane on aliphatic ionene - 4, 894
Polycondensation, aspects of copolymer synthesis by hetero-phase - 2, 350
Polycondensation, calculation of molecular weight distribution of products of non-equilibrium - , considering the "substitution effect" 10, 2499
Polycondensation, calculation of the gel-point for non-equilibrium - taking into account the "'substitution effect" 10, 2512
Polycondensation, consideration of cyclization in the theory of equilibrium branched - 10, 2477
Polycondensation, elementary stages in - 7, 1643
Polycondensation, functionality of monomers and structure of polymers obtained by - . Review 8, 1783
Polycondensation, reactivity of aromatic oligoamines and oligochlorides on - in aqueous-organic media 3, 673
Polycyclocondensation, investigation of the - of acetyl compounds 2, 293
Polydeuteroethylene, study of mixtures of polyethylene and - by secondary emission mass-spectrometry 2, 487
Polydialkoxyphosphazenes, dielectric relaxation in - 6, 1443
Polydiethylene glycol-sebacates, effect on properties of the molecular structure of - 1, 200
Polydimethylaminoethyl methacrylate, the synthesis of graft copolymers of polycaproamide with - , using a reversible redox system 11, 2663
Polydimethylphenylene oxide, kinetics of the thermal oxidation of - 4, 902
Polydimethylsilazasiloxanes, mechanism of chain propagation and termination in the polymerization-exchange reactions of synthesis of - 8, 2005
Polyelectrolytes, polarographic analysis of kinetics of synthesis of - by combination of depolarizer ions with macromolecules 3, 732
Polyelectrolytes, the synthesis and properties of sulphonapthalene macronetwork - 3, 661
Polyestermaleate, investigation of the effect of ionogenic groups on molecular mobility in - 8, 1859
Polyesters, synthesis and study of - based on asymmetrical diols 6, 1437
Polyether thermoelastoplasts, study of - by the ^{1}H and ^{13}C NMR method 9, 2149
Polyethylene, action of ozone on isotropic and oriented blends of polypropylene and - . On the influence of deformation on the rate of oxidation 11, 2754
Polyethylene, change in the physicomechanical properties of - on photo-oxidation 2, 257
Polyethylene, determination of the molecular weight distribution of high pressure - and calculation of the rate constants of the main chemical reactions 6, 1367
Polyethylene, diffusion, sorption and permeability of binary solvent mixtures in - 8, 1865
Polyethylene, effect of low molecular weight fractions and side branches in the main chain of the macromolecules on the recrystallization process during pressure annealing of - 10, 2385
Polyethylene, features of the kinetics of deformation of oriented - 5, 1212
Polyethylene, radiation-induced graft polymerization of acrylic acid to powdered low-pressure - 8, 2015
Polyethylene, relaxational spectrometry of low density - 9, 2107
Polyethylene, special features of elastic deformatiin of uniaxially oriented high-density - 11, 2760
Polyethylene, study of kinetics of inhibition of thermooxidation of - by carbon black 6, 1462

Polyethylene, study of mixtures of - and polydeuteroethylene by secondary emission mass-spectrometry 2, 487
Polyethylene, study of the structure and molecular mobility of crystalline - by the methods of photo-elasticity and torsion pendulum 7, 1551
Polyethylene, temperature dependence of the properties of composites based on the - and pearlite 1, 171
Polyethylene, the radiation-induced graft polymerization of acryloyl chloride to - and polyethylene terephthalate 2, 406
Polyethylene coatings, contact oxidation and adhesion to steel of - 12, 2840
Polyethylene crystallites, temperature dependence of the distortions in - 1, 33
Polyethyleneimine, complex of Rh(III) and - and their catalytic activity in hydrogenation of cyclohexene 7, 1775
Polyethylene oxalate, calorimetric study of ethylene oxalate, - and parameters of the polymerization of ethylene oxalate in the range 8–450 K 7, 1695
Polyethylene terephthalate, conformation transitions in - on crystallization by the action of a liquid medium 2, 468
Polyethylene terephthalate, the degradation of - in the presence of bacterial infection 7, 1604
Polyethylene terephthalate, the effects of orientation and crystallinity on the resistance of - to photo-oxidation 5, 1138
Polyethylene terephthalate, the electro-conductance of - induced by low-energy electron bombardment 1, 120
Polyethylene terephthalate, the mechanical properties of highly dispersed oriented - 9, 2120
Polyethylene terephthalate, the radiation-induced graft polymerization of acryloyl chloride to polyethylene and - 2, 406
Polyethylene terephthalate films, the transverse straining of orientated "silvery" - 5, 1056
Polyfluoroaromatic compounds, polymerization of - in glow discharge 1, 178
Polyglycidyl methacrylate, interaction of - with carboxylic acids 12, 3030
Polyheteroarylenes, electrophysical properties and molecular mobility of carborane-containing - 10, 2537
Polyheteroarylenes, study of unit heterogeneity of - by NMR spectroscopy. Review 9, 2047
Polyimide compositions, the thermomechanical properties of - produced from polyamic acid mixtures 6, 1375
Poly-bis-isoprene phosphonates, study of optico-mechanical properties of - 12, 3000
Polylactide, thermodynamics of *dl*-lactide, - and polymerization of *dl*-lactide in the range of 0–430 K 7, 1702
Polymer, calculation of M_c from absorption data and concentration dependence of the parameter of - –solvent interaction 4, 1004
Polymer, combination of a gel-chromatograph with an automatic viscometer. Calibration according to molecular weight of the - correcting for instrumental broadening 9, 2295
Polymer, equilibrium in the system polycaproamide–caprolactam–water below the melting point of the - 6, 1319
Polymer, oligomer and - π-arenemetaltricarbonyl complexes 6, 1480
Polymer, phase structure and properties of cured oligomer– - compositions 7, 1655
Polymer, structure of 1-methylcyclooctadiene - as judged by the ^{13}C NMR spectra 4, 775
Polymer, study of phase equilibrium by refractometry and the determination of second virial coefficients of - –plasticizer systems 3, 738
Polymer, the calorimetrric study in the 13·8–340°K range of δ-valerolactone, its - , and of the δ-valerolactone polymerization 3, 628

Polymer chain, concentration dependence of the mean dimensions of the flexible - in semi-dilute solutions as judged by "computer experimental" data **3,** 518
Polymer coatings, study of the formation of - by capsulation of solids by radiation-induced polymerization of monomers from the vapour phase **3,** 696
Polymer compositiom, viscoelastic behaviour and relaxation processes in - –water systems **12,** 3009
Polymer crystallosolvates. Review **2,** 236
Polymer fibres, methods for determining physico-mechanical properties of individual ultra-thin - **8,** 2020
Polymer film, a study of the growth in thickness of a - under potentiometric conditions **5,** 1060
Polymer films, spectrum of durability times of - **9,** 2267
Polymer films, wave-guide method of studying structural layer heterogeneity in - **2,** 481
Polymer glasses, the time dependence of the strength of - in a surface active media **7,** 1628
Polymer macromolecules, structural transformations in - with mesogenic groups in side chains **4,** 922
Polymer materials, testing of organic compounds as stabilizers of - **3,** 528
Polymer melt, relationship between the melt index and the value of expansion of a jet of a - flowing out of a hole **6,** 1269
Polymer melt mixtures, the thermodynamic and rheological properties of - **3,** 607
Polymer melts, potential of the intermolecular interaction and initial viscosity of - in model of overlapping statistical coils **10,** 2347
Polymer semi-interpenetrating networks, study of dielectric relaxation in - based on toluylene diisocyanate and propylene sulphide **10,** 2369
Polymer science, establishing and developing - **6,** 1522
Polymer solutions, computer modelling of the thermodynamic properties of - of varied concentration **12,** 2873
Polymer solutions, effect of solvents on dynamic birefringence of - **5,** 1258
Polymer solutions, on the use of a real gas model to describe the properties of - in the region of extremely low concentrations **12,** 2929
Polymer structure, effect of - and the nature and concentration of the plasticizer on the formation of defects in plasticized polyvinylchloride and vinylchloride copolymers **4,** 816
Polymer superconductors, state of research into the production of high-temperature - . Review **2,** 229
Polymeric ion-radical salts, on anomalies in the dependence of the electrical conductivity of - of 7,7,8,8-tetracyanoquinodimethane on aliphatic ionene polycation structure **4,** 894
Polymeric nature of the inhibiting action of polyarylene methylenes **4,** 952
Polymeric networks, birefringence of swollen non-gaussian - **8,** 1889
Polymeric networks, effect of cyclization on the topological structure and properties of - based on diglycidyl ethers and aromatic amines **8,** 1873
Polymeric rubber based composites, acoustic studies of the structural changes on stretching in highly filled - **7,** 1572
Polymeric systems, experimental study of the volume compliance of - in the glassy state **10,** 2440
Polymerization, activation energy for radiation - of acrylonitrile adsorbed on silica gel **2,** 300
Polymerization, aspects of the cationic - of ε-caprolactone in the presence of alcohols **2,** 306
Polymerization, calorimetric study of ethylene oxalate, polyethylene oxalate and parameters of the - of ethylene oxalate in the range 8–450 K **7,** 1695

Polymerization, chemical modification and calcium carbonate surface by 4-azo-bis-4-cyanpentanoic acid and its effect on initiation and - 4, 808
Polymerization centres, conversions of the reactive - in glycidyl ether by tertiary amines 2, 335
Polymerization, dilatometers and dilatometric installations for the study of photo-initiated - of liquid compounds based on oligourethane acrylates 10, 2555
Polymerization, distribution of branching centres along macromolecules in branched radical - 2, 445
Polymerization, effect of oxygen on the activity of a supported vanadium catalyst during gas phase - of ethylene 10, 2392
Polymerization, effect of the nature of the initiator on the kinetics of - of vinylchloride at high conversions and on the thermal stability of polyvinylchloride 6, 1360
Polymerization, influence of the structural ordering of liquid oligomers on the kinetics of radiation-induced - 11, 2713
Polymerization, kinetic description of inhibited radical - considering reagent consumption 4, 987
Polymerization, kinetic features of - of 1,1,2,3-tetrachlorobuta-1,3-diene under high pressure 12, 3015
Polymerization, kinetic parameters of inhibited radical - based on the dependence of the initial rate on the concentration of initiator and monomer 4, 877
Polymerization, kinetics of radiation - of allypyridazones 2, 286
Polymerization, kinetics of radiation - of tetrafluoroethylene adsorbed on silica gel at 196°K 2, 279
Polymerization, kinetics of radical - of 1-vinyl-1,2,4-triazole 10, 2529
Polymerization, low temperature radiation - of tetrafluoroethylene in the glassy matrix of perfluoroalkanes 3, 511
Polymerization, main regularities of - of butadiene by the action of a composite sodium–aluminium organic initiator in hydrocarbon medium 7, 1742
Polymerization, mathematical modelling of caprolactam - 5, 1091
Polymerization, molecular weight distribution and distribution of branching centres along macromolecules during radical - of vinyl monomers with the formation of unsaturated end groups 7, 1767
Polymerization of butadiene under the action of sodium organic initiators in slightly polar media 2, 388
Polymerization of hexamethylcyclotrisiloxane by α,ω-bis-(tetramethylammonium) oligodimethylsiloxane in the presence of trimethylsilanol 8, 1998
Polymerization of polyfluoroaromatic compounds in glow discharge 1, 178
Polymerization of vinyl nomomers on the surface of chalk activated by dicarboxyl-containing peroxide 8, 1883
Polymerization of 10-vinylphenanthiazine in presence of organic π-acids 6, 1274
Polymerization, properties of irregular poly-(arylate-arylene sulphonoxides) based on oligoarylene sulphonoxides with various degrees of - 9, 2259
Polymerization, radiation-induced graft - of acrylic acid to powdered low-pressure polyethylene 8, 2015
Polymerization, radiation-induced low-temperature cationic graft - of vinyl-n-butylether to polyvinyl chloride in the glass transition 2, 440
Polymerization, relation between chemical shift values in ^{1}H and ^{13}C NMR spectra of vinyl monomers and some parameters of their reactivity in radical - and copolymerization 9, 2252

Polymerization, relation of auto-acceleration in radical - of methyl methacrylate in bulk with structural changes of the polymerizing system **10,** 2547
Polymerization, study of the effect of tris-(2-carbamoylethyl)amine on the initiation of - of acrylamide by persulphate **7,** 1719
Polymerization, study of the formation of polymer coatings by capsulation of solids by radiation-induced - of monomers from the vapour-phase **3,** 696
Polymerization, the detection and study of the localized (selective) inhibition effect in the radical-initiated three-dimensional - of triethylene glycol dimethacrylate **1,** 149
Polymerization, the - of pentamethyl(ethoxy) cyclotrisiloxane **5,** 1096
Polymerization, the radiation-induced graft - of acryloyl chloride to polyethylene and polyethylene terephthalate **2,** 406
Polymerization, the solid-phase - of cyclopentadiene in the presence of titanium tetrachloride **12,** 2977
Polymerization, the study of kinetic features of the radical - of styrene, initiated by *o,o'*-carbo-tert-butylperoxysuccinyl peroxide **1,** 98
Polymerization, thermal - of *p*-benzoquinone in the presence of polycaproamide **3,** 641
Polymerization, thermal - of styrene and its inhibition. Kinetics and mechanism. Review **7,** 1527
Polymerization, thermodynamics of *dl*-lactide, polylactide and - of *dl*-lactide in the range of 0–430 K **7,** 1702
Polymerization centres, structure of active - of dienes on Ziegler–Natta catalysts **7,** 1542
Polymerization-exchange reactions, mechanism of chain propagation and termination in - of synthesis of polydimethylsilazasiloxanes **8,** 2005
Polymerization mechanism of styrene by the action of tin (IV) chloride in 1,2-dichloroethane **9,** 2272
Polymerization rate, on the influence of secondary low molecular weight products on the - of propylene by the $TiCl_3$-based catalytic system **2,** 412
Polymers, a calorimetric study of changes in crystalline - and their blends under the simultaneous action of high pressures and shear strains **5,** 1073
Polymers, a study of the parameters of the elementary thermodynamic units of macromolecules of heterochain - in melts **11,** 2676
Polymers, an X-ray electron-microscopic study of a number of processes in - **4,** 855
Polymers, application of mathematical simulation for the analysis of molecular weight heterogeneity of - by rapid sedimentation and viscometry **6,** 1518
Polymers, change in the supramolecular structure of epoxide - under the influence of solvents **11,** 2645
Polymers, checking the selectivity of fractionation by distribution between two liquid phases of - capable of forming hydrogen bonds **1,** 185
Polymers, classification of - according to their phase state **8,** 1939
Polymers, coefficients of translational and rotational diffusion of low-molecular compounds in - with various glass transition temperatures **3,** 592
Polymers, determination of the diffusion constants of liquids in - by sorption and by internal reflection spectroscopy **8,** 1853
Polymers, dielectric and nuclear magnetic relaxation in latex - in relation to their morphological peculiarities and mechanical properties **5,** 1159
Polymers, dynamic heat ageing—a rapid method of evaluating the heat stability of - according to the variation of mechanical properties **6,** 1508
Polymers, dynamics of the system of intermolecular hydrogen bonds in strained - **9,** 2134
Polymers, effect of high pressure on certain electrophysical properties of iodine-doped - with a conjugation system **11,** 2641

Polymers, effect of ozone on saturated - . Review 10, 2305
Polymers, effect of the hydrogen bond on the intramolecular organization of - containing cholesterol 5, 1248
Polymers, electro-optical properties of comb-like - with a different distance of the mesogenic side group from the main chain 11, 2606
Polymers, features of radiation-induced electrical condictivity of some polar - 7, 1754
Polymers, functionality of monomers and structure of - obtained by polycondensation. Review 8, 1783
Polymers, influence of the chemical structure of polyarylene sulphides on properties of the filled - 8, 1934
Polymers, intrachain luminescence quenching in solutions of anthracene-containing - based on polymethyl methacrylate 7, 1578
Polymers, intramolecular mobility of - with mesogenic groups in the side chains 7, 1664
Polymers, intramolecular structuring in solutions of comb-like - 1, 1
Polymers, investigation of oxidized - using a positron annihilation technique 12, 2966
Polymers, macromolecular macrocyclic compounds: binding of ions, small molecules and - . Review 5, 1007
Polymers, method of determining hydration number of - in solution 12, 3034
Polymers, method of determining the linear rate of propagation of micro-cracks by plotting distribution curves during deformation of - in liquid media 8, 2040
Polymers, model for volumetric rupture of non-oriented - 3, 533
Polymers, multiplicity of the temperature dependence of the enthalpy of amorphous - in the vicinity of glass transition temperature 12, 2953
Polymers, on the nature of segmental mobility of dense-network epoxy - 11, 2732
Polymers, on the nature of the influence of liquid organic media on the mechanical properties of glassy - 9, 2187
Polymers, orientational strengthening of flexible and rigid - 5, 1151
Polymers, phase diagrams of dioctyl sebaceate mixtures with some - 4, 841
Polymers, physico-mechanical properties of - subjected to the simultaneous action of high pressure and shear deformation 1, 211
Polymers, physiologically active - and macromolecular therapeutic systems 4, 743
Polymers, polarized luminescence of - with indole-containing luminescent groups 8, 1896
Polymers, reasons for lowering of mechanical properties of - during deformation in adsorption-active media 11, 2706
Polymers, regulation of the structure of rigid - in the process of cryolysis 3, 570
Polymers, relation between strength and elastic properties of - 9, 2241
Polymers, relaxation time spectra of - in the range of low deformations 6, 1468
Polymers, relaxational φ-transition in filled - and molecular mobility of active filler particles 9, 2099
Polymers, special aspects of the photochromism of indolinospiropyranes in comb-like - 11, 2635
Polymers, structurization of low molecular weight inorganic compounds introduced into - during their deformation in liquid media 6, 1430
Polymers, study of the kinetics and thermodynamics of thermal breakdown of reticular - of dimethacrylic esters of n-alkylene glycols 10, 2378
Polymers, supermolecular structure of graft copolymers of cotton and cellulose hydrate fibres with certain fluorine-containing - 4, 800
Polymers, "super-slow" rotations of spin probes in solid - 5, 1227
Polymers, synthesis and properties of - of haloidaromatic esters of 2-methyl-1,3-butadienylphosphonic acid 4, 930

Polymers, temperature coefficient of the activation energy of dipole relaxation and heat espansion of - 9, 2277
Polymers, temperature dependence of expansion of crystalline lattices of some flexible chain - 8, 1837
Polymers, the electro-conductance by non-polar - bombarded with low-energy electrons 1, 111
Polymers, the energies and volumes of activation of plastic flow of some - under high pressure 9, 2160
Polymers, the evolution of light absorption induced in - by photo-ageing 4, 832
Polymers, the free induction signal from amorphous parts of partially crystalline - 12, 2971
Polymers, the glass transition process with oriented, flexible - 1, 77
Polymers, the influence of viscosity and dispersion of incompatible - on fibre formation in their blends 7, 1617
Polymers, the molecular weight and volume of spin probes and their effects on their rotation capacity in - 1, 105
Polymers, the phase condition and viscous properties of sulphuric acid solutions of - and copolymers based on *p*-phenylene amides 5, 1085
Polymers, the synthesis, structure and properties of 3,4-dichloro-1,3-butadiene-2-phosphonate - 6, 1414
Polymers, thermal breakdown mechanism of crosslinked - based on diepoxides and aromatic and aliphatic amines 11, 2793
Polymers, using the effect of re-evaporation of metal atoms for the study of surface properties of - 5, 1254
Polymers, visco-elastic properties of linear - and their mixtures with narrow molecular weight distribution 5, 1194
Polymethacrylic acid, complex formation between - and polyacrylamide 7, 1683
Poly-*p*-methacryloyl oxybenzoic ester, hydrodynamic and conformational properties of molecules of the - of *p*-n-nonyloxyphenol 7, 1671
Poly-2-methyl-5-ethylpyridine, the electron spin-lattice relaxation in pyrolyzed - 1, 134
Polymethylmethacrylate, a comparative kinetic description of the photoreduction of ferric chloride and tetraethyl ammonium tetrachloroferrate additives in solid - 2, 378
Polymethylmethacrylate, birefringence of - in a sinusoidal mechanical field 6, 1306
Polymethyl methacrylate, intrachain luminescence quenching in solutions of anthacene-containing polymers based on - 7, 1578
Polymethyl methacrylate, the effect of crosslinkages in - on the parameters and mechanism of diffusional transfer 2, 345
Polymethylmethacrylate, the effect of phosphorus on the high temperature pyrolysis of - 1, 73
Polymethyl methacrylate compositions, features of combustion of - with some phosphoric acid esters 4, 971
Polymethylmethacrylate, possibilities of gel-penetration chromatography as an absolute method of determining the parameters of the molecular weight distribution of - 10, 2400
Poly-4-methylpentene-1, aspects of the oxidation of - 3, 541
Poly-α-methyl styrene solutions, optimization of the turbidimetric precipitation titration of - 12, 3035
Polymorphism and structural transformations of polycaproamide during annealing 1, 49
Poly-N-*n*-octadecylmethacrylamide, dielctric relaxation in - 8, 1902
Polyoctafluoroamyl methacrylate, the study of relaxational properties of molecular networks of - by photoelasticity and torsion pendulum methods 9, 2128

Polyolefines, effect of diffusional and kinetic factors on the post-radiation oxidation of - 12, 2908
Polyolefines, sterically hindered phenols—antioxidants for - . Relation of antioxidative activity to structure. Review 9, 2063
Polyolefines, the influence of liquid plasticizing media on the deformation of crystalline - 8, 1927
Polyols, study of the mechanism of the synergistic action of mixtures of zinc salts of organic acids and - during thermal degradation of polyvinyl chloride 12, 2849
Polyoxyethylene, the crystallization kinetics of block copolymer mixtures and multiple blocks of - and polyarylate 5, 1116
Polyoxyethylene fragments, concerning the degradation of - of oxyethylated compounds during complex-formation with transition metal compounds 6, 1351
Polyoxymethylene, rheological properties of melts of - –atactic polystyrene blends 11, 2614
Polypentenamer, investigation of the mechanism of - degradation in the presence of metathesis catalysts 1, 164
Polyphenylene-1,3,4-oxadiazole, chemical structure of - and fibres based on them 1, 41
Poly-*m*-phenylene isophthalamide, sedimentational-diffusional and viscometric studies on solutions of - and the equilibrium rigidity of its molecules 11, 2689
Polyphenylsiloxane, conformational and optical properties of molecules of ladder type - and its chlorinated derivatives 10, 2405
Polyphosphazenes, some problems in the synthesis of - and possible solutions. Review 11, 2572
Polypropylene, action of ozone on isotropic and oriented blends of - and polyethylene. On the influence of deformation on the rate of oxidation 11, 2754
Polypropylene, diffraction study of the structure of ion exchange fibres from - modified by grafted polystyrene 8, 1797
Polypropylene, disperse structure and mechanical properties of extruded - –polystyrene blends 8, 1825
Polypropylene, inhibiting action of bis-phenols on oxidation of - containing hydroperoxide groups 4, 938
Polypropylene, kinetic characteristics of the inhibiting effect of 4-tert-butyl-2,6-dimercaptophenol on oxidation of - 2, 462
Polypropylene, kinetics and mechanism of decay of peroxide radicals in oxidation of solid - 1, 217
Polypropylene, morphology of extruded - –polystyrene blends 8, 1811
Polypropylene, the decay of peroxide macroradicals in the crystalline phase of isotactic - 6, 1402
Polypropylene and ethylene-propylene rubber, homogenization of blends of - under shear in the presence of inorganic fillers 5, 1081
Polypropylene granules, the morphology of - and its link with the titanium trichloride texture 3, 599
Polypyromellitimide, study of the structure of solutions and gels of - and polyterephthalamide of anilinephthalein in dimethylformamide 6, 1456
Polysiloxane films, study of the structure of thin - prepared in discharge plasma at low temperatures 12, 2864
Polystyrene, diffraction study of the structure of ion exchange fibres from polypropylene modified by grafted - 8, 1797
Polystyrene, disperse structure and mechanical properties of extruded polypropylene– - blends 8, 1825

Polystyrene, low molecular weight products of the breakdown of peroxide radicals in - and polyvinylcyclohexane at room temperature **1,** 190
Polystyrene, morphology of extruded polypropylene– - blends **8,** 1811
Polystyrene, NMR relaxation and the state of solvent molecules in solutions of polyvinylchloride and - in dibutylphthalate **12,** 3024
Polystyrene films, photo-oxidation of 2,6-di-(4′-azidobenzal)cyclohexanone in - **8,** 1845
Polyterephthalamide, study of the structure of solutions and gels of polypyromellitimide and - of anilinepththalein in dimethylformamide **6,** 1457
Polytetrafluoroethylene films, the features of orientation of macromolecules in - **7,** 1611
Polyurethane, sorption and diffusion study of mutually penetrating networks based on - and its ionomer **1,** 126
Polyurethanes, a statistical study of the fracture of foamed elastic - under short-term loading **7,** 1585
Polyurethanes, study of the shape of decay of NMR free induction in - **8,** 1967
Polyurethanes, use of the thermofluctuation concept of strength for evaluating the serviceability of foam - **5,** 1042
Polyvinyl acetate, IR spectroscopic study of hydration of cellulose acetate and - **11,** 2778
Poly-N-vinylcaprolactam, spin marker investigation of the segmental mobility of poly-N-vinylpyrrolidone and - in solutions **11,** 2725
Polyvinyl chloride, deformability of - in creep conditions **6,** 1261
Polyvinylchloride, effect of conjugated dienes on crosslinking of - **11,** 2808
Polyvinylchloride, effect of polymer structure and the nature and concentration of the plasticizer on the formation of defects in plasticized - and vinylchloride copolymers **4,** 816
Polyvinylchloride, effect of the nature of the initiator on the kinetics of polymerization of vinylchloride at high conversions and on the thermal stability of - **6,** 1360
Polyvinylchloride, effect of the physico-mechanical properties of methylmethacrylyte, butadiene and styrene copolymers on the impact strength of their compositions with - **4,** 824
Polyvinyl chloride, effect of the thermodynamic affinity of plasticizers for - of the heat of its interaction with fillers **7,** 1557
Polyvinyl chloride, impulse-NMR study of - –glycerol systems **4,** 849
Polyvinylchloride, kinetics of the dehydrochlorination of - in a closed system in the presence of HCl acceptors **9,** 2195
Polyvinylchloride, NMR relaxation and the state of solvent molecules in solutions of - and polystyrene in dibutylphthalate **12,** 3024
Polyvinyl chloride, phase equilibrium in the - –oligoether acrylate systems **3,** 505
Polyvinyl chloride, radiation-induced low-temperature cationic graft polymerization of vinyl-n-butyl ether to - in the glass transition **2,** 440
Polyvinyl chloride, stabilization of - by conjugated dienes **4,** 854
Polyvinyl chloride, study of the mechanism of the synergistic action of mixtures of zinc salts of organic acids and polyols during thermal degradation of - **12,** 2849
Polyvinyl chloride, the stabilization of - by epoxides in the presence of salts of coordinatively unsaturated metals **11,** 2671
Poly-4-vinylpyridine, the effect of pH on Cu^{2+} complex formation with - **9,** 2143
Polyvinyl chloride, the mechanical behaviour of - and of PVC blended with a rubber modifier over a wide range of deformation rates **10,** 2472
Polyvinylcyclohexane, low molecular weight products of the breakdown of peroxide radicals in polystyrene and - at room temperature **1,** 190

Poly-N-vinylpyrrolidone, spin marker investigation of the segmental mobility of - and poly-N-vinylcaprolactam in solutions **11,** 2725
Polyvinyl trimethyl silane membrane, permeability of glass through an asymmetric - **6,** 1500
Porosity, influence of the - of carboxyl cationites of Solose K on the diffusion and kinetics of H_2O sorption **10,** 2452
Porous adsorbents, the theory of adsorption and its relation to chromatographic separatian of oligomers on - according to molecular masses and types of functionality **3,** 578
Porous reticular copolymers, synthesis of - of divinyl ethers of hydroquinone and diethylene glycol and their testing as sorbents in liquid chromatography **7,** 1563
Porous structure, heat of wetting and - of network copolymers **12,** 2903
Positron annihilation technique, investigation of oxidized polymers using a - **12,** 2966
Post radiation oxidation, effect of diffusional and kinetic factors on the - of polyolefines **12,** 2908
Potentiometric conditions, a study of the growth in thickness of a polymer film under - **5,** 1060
Powdered low-pressure polyethylene, radiation-induced graft polymerization of acrylic acid to - **8,** 2015
Power law for slow physical stress-relaxation in the rubbery condition and its experimental verification **2,** 322
Precipitant, hydrodynamic characteristics and light scattering of solutions of a styrene–acrylonitrile copolymers prepared in a - **7,** 1734
Pressure, influence of the - of gaseous media on the relaxation properties of elastomers **9,** 2210
α-Process, on the relaxation parameters of the - **11,** 2737
Propylene, on the influence of secondary low molecular weight products on the polymerization rate of - by the $TlCl_3$-based catalytic system **2,** 412
Propylene, rheological properties of ethylene– - copolymers at small shear stresses **6,** 1488
Propolyne, study of the alternating copolymerization of isoprene and - using complex compounds of titanium and vanadium as catalysts **10,** 2457
Propylene sulphide, study of dielectric relaxation in polymer semi-interpenetrating network based on toluylene diisocyanate and - **10,** 2369
Proton-donors, the role of - in cyclotrimerization of isocyanates by the action of an amine-epoxide catalytic system **11,** 2768
Propylene oxide, a ^{13}C NMR study of structural isomers and compositional sequences in oligoesters based on - and maleic anhydride **3,** 549
Pyridinecarboxylic acids, synthesis of polyamides based on activated diesters of - **7,** 1677
Pyrolysis, the effect of phosphorus on the high temperature - of polymethylmethacrylate **1,** 73
Pyrolyzed poly-2-methyl-5-ethylpyridine, the electron spin-lattice relaxation in - **1,** 134

Radiation-cured oligomer compositions, the action of ultraviolet light on - **3,** 556
Radiation-induced electrical conductivity, features of - of some polar polymers **7,** 1754
Radiation-induced graft polymerization of acrylic acid to powdered low-pressure polyethylene **8,** 2015
Radiation-induced graft polymerization, the - of acryloyl chloride to polyethylene and polyethylene terephthalate **2,** 406
Radiation-induced low-temperature cationic graft polymerization of vinyl-n-butyl ether to polyvinyl chloride in the glass transition **2,** 440

Radiation-induced polymerization, influence of the structural ordering of liquid oligomers on the kinetics of - **11,** 2713
Radiation-induced polymerization, study of the formation of polymer coatings by capsulation of solids by - of monomers from the vapour phase **3,** 696
Radiation polymerization, activation energy for - of acrylonitrile adsorbed on silica gel **2,** 300
Radiation polymerization, kinetics of - of allylpyridazones **2,** 286
Radiation polymerization, kinetics of - of tetrafluoroethylene adsorbed on silica gel at 196°K **2,** 279
Radical copolymerization, the - of α-substituted vinyl phosphonates **3,** 667
Radical initiation, application of some inhibitors to the study of - **7,** 1749
Radical initiators, tetrafluoroethylene telomerization in acetone initiated by ^{60}Co γ-rays and by - . Soluble telomers **2,** 330
Radical polymerization, kinetic parameters of inhibited - based on the dependence of the initial rate on the concentration of initiator and monomer **4,** 877
Radical polymerization, kinetics of - of 1-vinyl-1,2,4-triazole **10,** 2529
Radical polymerization, relation of auto-acceleration in - of methyl methacrylate in bulk with structural changes of the polymerizing system **10,** 2547
Radical polymerization and copolymerization, relation between chemical shift values in ^{1}H and ^{13}C NMR spectra of vinyl monomers and some parameters of their reactivity in - **9,** 2252
Radicals, kinetic study of solid phase reactions with the participation of - **9,** 2173
Reactive polymerization centres, conversions of the - in glycidyl ether by tertiary amines **2,** 335
Reactivity of aromatic oligoamines and oligochlorides on polycondensation in aqueous-organic media **3,** 673
Reactivity, relative - of organosilicon oligomers with terminal isocyanate groups in reactions with hydroxyl-containing compounds **4,** 769
Real gas model, on the use of a - to describe the properties of polymer solutions in the region of extremely low concentrations **12,** 2929
Recrystallization phenomena in high molecular weight compounds and their role in dynamics of melting **12,** 2915
Recrystallization process, effect of low molecular weight fractions and side branches in the main chain of the macromolecules on the - during pressure annealing of polyethylene **10,** 2385
Redox system, the synthesis of graft-copolymers of polycaproamide with polydimethylaminoethyl methacrylate, using a reversible - **11,** 2663
Re-evaporation, using the effect of - of metal atoms for the study of surface properties of polymers **5,** 1254
Refractometric method of analysis of chemical conversions of macromolecules in solution **11,** 2813
Refractometry, study of phase equilibrium by - and the determination of second virial coefficients of polymer–plasticizer systems **3,** 738
Relaxation, dielectric and nuclear magnetic - in latex polymers in relation to their morphological peculiarities and mechanical properties **5,** 1159
Relaxation, dielectric - in polydialkoxyphosphazenes **6,** 1443
Relaxation, dielectric - in poly-N-*n*-octadecylmethacrylamide **8,** 1902
Relaxation, kinepectic reinforcement and - of coordination-polymer gels of aluminium soaps **7,** 1709
Relaxation, nuclear magnetic - and segmental motion of nitrocellulose in solution **6,** 1335

Relaxation, study of dielectric - in polymer semi-interpenetrating networks based on toluylene diisocyanate and propylene sulphide 10, 2369
Relaxation, temperature coefficient of the activation energy of dipole - and heat expansion of polymers 9, 2277
Relaxation, the electron spin-lattice - in pyrolyzed poly-2-methyl-5-ethylpyridine 1, 134
Relaxation parameters, on the - of the α-process 11, 2737
Relaxation processes in crystallizing and non-crystallizing elastomers 1, 67
Relaxation processes, viscoelastic behaviour and - in polymer composition–water systems 12, 3009
Relaxation properties, influence of the pressure of gaseous media on the - of elastomers 9, 2210
Relaxation time spectra of polymers in the range of low deformations 6, 1468
Relaxational properties, the study of - of molecular networks of polyoctafluoroamyl methacrylate by photoelasticity and torsion pendulum methods 9, 2128
Relaxational spectrometry of low density polyethylene 9, 2107
Relaxational φ-transition in filled polymers and molecular mobility of active filler particles 9, 2099
Resins, methods of determining the composition of low-molecular weight epoxide diane - 8, 2034
Rheological properties of ethylene–propylene copolymers at small shear stresses 6, 1488
Rheological properties of melts of polyoxymethylene–atactic polystyrene blends 11, 2614
Rheological properties, the thermodynamic and - of polymer melt mixtures 3, 607
Rigid polymers, regulation of the structure of - in the process of cryolysis 3, 570
Rubber, equilibrium swelling of filled vulcanizates of natural - 2, 455
Rubber, structural heterogenization processes in - –oligomer compositions 9, 2215
Rubbers, study of molecular mobility in filled and unfilled crosslinked organosilicon - 10, 2422
Rubber modifier, the mechanical behaviour of polyvinyl chloride and of PVC blended with a - over a wide range of deformation rates 10, 2472

Salts, the stabilization of polyvinyl chloride by epoxides in the presence of - of coordinatively unsaturated metals 11, 2671
Structural polymers, effect of ozone on - . Review 10, 2305
Second virial coefficients, study of phase equilibrium by refractometry and the determination of - of polymer–plasticizer systems 3, 738
Sedimentation, application of mathematical simulation for the analysis of molecular weight heterogeneity of polymers by rapid - and viscometry 6, 1518
Sedimentational-diffusional and viscometric studies on solutions of poly-*m*-phenylene isophthalamide and the equilibrium rigidity of its molecules 11, 2689
Segmental mobility, on the nature of - of dense-network epoxy polymers 11, 2732
Semi-dilute solution, concentration dependence of the mean dimensions of the flexible polymer chain in - as judged by "computer experimental" data 3, 518
Serum albumin, acylation of - by unsaturated acid chlorides 11, 2668
Shear, homogenization of blends of polypropylene and ethylene-propylene rubber under - in the presence of inorganic fillers 5, 1081
Shear deformation, physico-mechanical properties of polymers subjected to the simultaneous action of high pressure and - 1, 211
Shear strains, a calorimetric study of changes in crystalline polymers and their blends under the simultaneous action of high pressures and - 5, 1073

Shear stresses, rheological properties of ethylene–propylene copolymers at small - 6, 1488
Side branches, effect of low molecular weight fractions and - in the main chain of the macromolecules on the recrystallization process during pressure annealing of polyethylene 10, 2385
Side chains, intramolecular mobility of polymers with mesogenic groups in the - 7, 1664
Silica gel, activation energy for radiation polymerization of acrylonitrile adsorbed on - 2, 300
Silica gel, kinetics of radiation polymerization of tetrafluoroethylene adsorbed on - at 196°K 2, 279
Slowing-down cooperative reactions, the computer simulation of - 3, 620
Sodium organic initiators, polymerization of butadiene under the action of - in slightly polar media 2, 388
Sodium–aluminium organic initiator, main regularities of polymerization of butadiene by the action of a composite - in hydrocarbon medium 7, 1742
Solid-phase polymerization, the - of cyclopentadiene in the presence of titanium tetrachloride 12, 2977
Solid-phase reactions, kinetic study of - with the participation of radicals 9, 2173
Solid polymers, "super-slow" rotations of spin probes in - 5, 1227
Solose K, influence of the porosity of carboxyl cationites of - on the diffusion and kinetics of H_2O sorption 10, 2452
Soluble cellulose acetates, preparations and study of properties of primary low-substituted - 6, 1495
Solutions, intramolecular structuring in - of comb-like polymers 1, 1
Solvent, calculation of M_c from absorption data and concentration dependence of the parameter of polymer–solvent interaction 4, 1004
Solvent, influence of the nature of the - on the processes of structuring in solutions of cellulose acetates 11, 2598
Solvent molecules, NMR relaxation and the state of - in solutions of polyvinylchloride and polystyrene in dibutylphthalate 12, 3024
Solvents' change in the supramolecular structure of epoxide polymers under the influence of - 11, 2646
Solvents, effect of - on dynamic birefringence of polymer solutions 5, 1258
Sorbents, synthesis of porous reticular copolymers of divinyl ethers of hydroquinone and diethylene glycol and their testing as - in liquid chromatography 7, 1563
Sorption and diffusion study of mutually penetrating networks based on polyurethane and its ionomer 1, 126
Sorption, determination of the diffusion constants of liquids in polymers by - and by internal reflection spectroscopy 8, 1853
Sorption, diffusion, - and permeability of binary solvent mixtures in polyethylene 8, 1865
Sorption, influence of the porosity of carboxyl carbonites of Solose K on the diffusion and kinetics of H_2O - 10, 2452
Sorption, the mutual influence of components of a medium on their - by polyamides 8, 1960
Sorption properties, structure and - of macroporous KM-2p carboxyl cation-exchange resin 5, 1205
Spectrometry, relaxational - of low density polyethylene 9, 2107
Spectrophotometric titration in the IR region of 2-methyl-5-vinyl pyridine–acrylic acid copolymers 1, 205
Spectroscopic study, a - of the thermo-oxidative degradation of copolymers of acrylonitrile with N-methylolacrylamide 7, 1597

Spectroscopy, determination of the diffusion constants of liquids in polymers by sorption and by internal reflection - **8,** 1853
Spin marker investigation of the segmental mobility of poly-N-vinylpyrrolidone and poly-N-vinylcaprolactam in solutions **11,** 2725
Spin probes, "super-slow" rotations of - in solid polymers **5,** 1227
Spin probes, the molecular weight and volume of - and their effects on their rotation capacity in polymers **1,** 105
Stabilization, the - of polyvinyl chloride by epoxides in the presence of salts of coordinately unsaturated metals **11,** 2671
Stabilizers, testing of organic compounds as - of polymer materials **3,** 528
Steel, contact oxidation and adhesion to - of polyethylene coatings **12,** 2840
Strained polymers, dynamics of the system of intermolecular hydrogen bonds in - **9,** 2134
Strength and elastic properties, relaxation between - of polymers **9,** 2241
Strength of plastics, mechanism for rising the impact - **2,** 273
Stretching, acoustic studies of the structural changes on - in highly filled polymeric rubber based composites **7,** 1572
Stretching, determination of the degree of crystallinity of elastomers under - **1,** 59
Stretching, features of strain-strength properties of butadiene–styrene block copolymers under uniaxial - **1,** 90
Stretching, features of the development of forced elastic deformation during the - of glasslike polyethyleneterephthalate in an adsorption-active medium **10,** 2464
Strcutural changes, relation of auto-acceleration in radical polymerization of methyl methacrylate in bulk with - of the polymerizing system **10,** 2547
Structural layer heterogeneity, wave-guide method of studying - in polymer films **2,** 481
Structural ordering, influence of the - of liquid oligomers on the kinetics of radiation-indiced polymerization **11,** 2713
Structural transformations in polymer macromolecules with mesogenic groups in side chains **4,** 922
Structural transformations, polymorphism and - of polycaproamide during annealing **1,** 49
Structure, microscope study of the - and decomposition of fluoroplast films produced from powder by caking and condensation under vacuum **4,** 861
Structure, study of the - and deformation properties of films from compositions of a fluoropolymer and copolymer of 2,5-methylvinylpyridine and divinylbenzene **4,** 915
Structure, study of the - of solutions and gels of polypyromellitimide and polyterephthalamide of anilinephthalein in dimethylformamide **6,** 1456
Structure, the synthesis, - and properties of 3,4-dichloro-1,3-butadiene-2-phosphonate polymers **6,** 1414
Structure and sorption properties of macroporous KM-2p carboxyl cation-exchange resin **5,** 1205
Structuring, influence of the nature of the solvent on the processes of - in solutions of cellulose acetates **11,** 2598
Structurization of low molecular weight inorganic compounds introduced into polymers during their deformation in liquid media **6,** 1430
Styrene, effect of the physico-mechanical properties of methylmethacrylate, butadiene and - copolymers on the impact strength of their compositions with polyvinylchloride **4,** 824
Styrene, features of strain-strength properties of butadiene– - block copolymers under uniaxial stretching **1,** 90
Styrene, gradient adsorption thin layer chromatography of statistical - –acrylonitrile copolymers **4,** 909

Styrene, hydrodynamic characteristics and light scattering of solutions of a - -acrylonitrile copolymer prepared in a precipitant 7, 1734
Styrene, polymerization mechanism of - by the action of tin (IV) chloride in 1,2-dichloroethane 9, 2272
Styrene, the study of kinetic features of the radical polymerization of - , initiated by *o,o'*carbo-tert-butylperoxysuccinyl peroxide 1, 98
Styrene, thermal polymerization of - and its inhibition. Kinetics and mechanism. Review 7, 1527
"Substitution effect", calculation of molecular weight distribution of products of non-equilibrium polycondensation, considering the - 10, 2499
"Substitution effect", calculation of the gel-point for non-equilibrium polycondensation taking into account the - 10, 2512
Substitution reactions in ternary systems of macromolecules 2, 367
Sulphonaphthalene, the synthesis and properties of - macronetwork polyelectrolytes 3, 661
Sulphuric acid, structural features of aromatic polyamide solutions in - 6, 1388
Sulphuric acid solutions, the phase condition and viscous properties of - of polymers and copolymers based on *p*-phenylene amides 5, 1085
Superconductors, state of research into the production of high-temperature polymer - . Review 2, 229
Supermolecular structure of graft copolymers of cotton and cellulose hydrate fibres with certain fluorine-containing polymers 4, 800
Supramolecular structure, change in the - of epoxide polymers under the influence of solvents 11, 2646
Synergistic action, study of the mechanism of the - of mixtures of zinc salts of organic acids and polyols during thermal degradation of polyvinyl chloride 12, 2849
Synthesis and properties of polymers of haloidaromatic esters of 2-methyl-1,3-butadienylphosphonic acid 4, 930
Synthesis and study of heterogeneous polyamides containing *m*-carborane 11, 2788
Synthesis, aspects of copolymer - by hetero-phase polycondensation 2, 350
Synthesis, ^{1}H and ^{13}C NMR analysis of the - of polyarylene sulphonoxides based on diphenylolpropane and dichlorodiphenylsulphone 5, 1183
Synthesis, infrared analysis of the conditions of - of alkyl alumoxane complex catalysts influencing their activity in the copolymerization of epoxides 7, 1688
Synthesis, matrix - of copolymer chains with definite alternation of monomer units 8, 1909
Synthesis, mechanism of chain propagation and termination in the polymerization-exchange reactions of - of polydimethylsilazasiloxanes 8, 2005
Synthesis of polyamides based on activated diesters of pyridinecarboxylic acids 7, 1677
Synthesis of porous reticular copolymers of divinyl ethers of hydroquinone and diethylene glycol and their testing as sorbents in liquid chromatography 7, 1563
Synthesis, polarographic analysis of kinetics of - of polyelectrolytes by combination of depolarizer ions with macromolecules 3, 732
Synthesis, relation between conditions of - , structure and properties of polyarylate methylenes 2, 423
Synthesis, some problems in the - of polyphosphazenes and possible solutions. Review 11, 2572
Synthesis, study of the heterogeneous reaction of formation of primary products of addition in the - of phenol-formaldehyde and naphthalene-phenol-formaldehyde oligomers 6, 1421
Synthesis, study of the - of polyarylene sulphonoxides based on phenolphthalein and dichlorodiphenylsulphone by ^{13}C NMR 5, 1218

Synthesis, the - and properties of aliphatic-aromatic block copolymers 1, 158
Synthesis, the - and properties of halogen-containing polyarylate-sulphone block copolymers 12, 2941
Synthesis, the - and properties of sulphonaphthalene macronetwork polyelectrolytes 3, 661
Synthesis, the - and study of acid polyamides based on bis-*ortho*-amino acids and tetracarboxylic anhydrides 1, 85
Synthesis, the - of graft copolymers of polycaproamide with polydimethylaminoethyl methacrylate, using a reversible redox system 11, 2663
Synthesis, the - structure and properties of 3,4-dichloro-1,3-butadiene-2-phosphonate polymers 6, 1414

Telomerization, tetrafluoroethylene - in acetone initiated by ^{60}Co γ-rays and by radical initiators. Soluble telomers 2, 330
Telomers, study of the reactions of formation and destruction of condensation - of bisecondary aromatic glycols and carboxylic acids 12, 2831
Temperature coefficient of the activation energy of dipole relaxation and heat expansion of polymers 9, 2277
Temperature dependence of the distortions in polyethylene crystallites 1, 33
Temperature dependence of the properties of composites based on the polyethylene and pearlite 1, 171
Temperature-time characteristics, the effect of the composition of poly(arylate–butadiene) block copolymer on the - of its thermal degradation 5, 1067
Termination, mechanism of chain propagation and - in polymerization-exchange reactions of synthesis of polydimethylsilazasiloxanes 8, 2005
4-Tert-butyl-2,6-dimercaptophenol, kinetic characteristics of the inhibiting effect of - on oxidation of polypropylene 2, 462
Tetracarboxylic anhydrides, the synthesis and study of acid polyamides based on bis-*ortho*-amino acids and - 1, 85
1,1,2,3-Tetrachlorobuta-1,3-diene, kinetic features of polymerization of - under high pressure 12, 3015
7,7,8,8-Tetracyanoquinodimethane, on anomalies in the dependence of the electrical conductivity of polymeric ion-radical salts of - on aliphatic ionene polycation structure 4, 894
Tetraethyl ammonium tetrachloroferrate, a comparative kinetic description of the photoreduction of ferric chloride and - additives in solid polymethylmethacrylate 2, 378
Tetrafluoroethylene, kinetics of radiation polymerization of - adsorbed on silica gel at 196°K 2, 279
Tetrafluoroethylene, low temperature radiation polymerization of - in the glassy matrix of perfluoroalkanes 3, 511
Tetrafluoroethylene telomerization in acetone initiated by ^{60} Co γ-rays and by radical initiators. Soluble telomers 2, 330
Thermal analysis, mass spectrometric - of the cyclodehydration of polyamic acids 12, 2922
Thermal and thermooxidative degradation, ESR analysis of the - of polyamidoimide films 2, 393
Thermal breakdown, study of the kinetics and thermodynamics of - of reticular polymers of dimethacrylic esters of n-alkylene glycols 10, 2378

Thermal breakdown mechanism of crosslinked polymers based on diepoxides and aromatic and aliphatic amines 11, 2793
Thermal cyclization kinetics, analysis of the - of solid-state polyamic acids 5, 1103
Thermal decomposition, mechanism of reactions initiated by - of benzoyl peroxide in polyamide 12, 2991
Thermal degradation, effect of adjacent units during - of copolymers of vinyl chloride with vinyl acetate 6, 1299
Thermal degradation of compositions based on aromatic polyamides 8, 1953
Thermal degradation of poly(arylate-arylene sulphonoxides) 11, 2654
Thermal degradation, study of the mechanism of the synergistic action of mixtures of zinc salts of organic acids and polyols during - of polyvinyl chloride 12, 2849
Thermal degradation, the effect of the composition of poly(arylate–butadiene) block copolymer on the temperature-time characteristics of its - 5, 1067
Thermal degradation, the mechanism of - of low molecular weight compounds modelling the structure of network polymers based on diepoxides and aromatic and aliphatic amines 3, 647
Thermal oxidation, kinetics of the - of polydimethylphenylene oxide 4, 902
Thermal polymerization of *p*-benzoquinone in the presence of polycaproamide 3, 641
Thermal polymerization of styrene and its inhibition. Kinetics and mechanism. Review 7, 1527
Thermal stability, effect of the nature of the initiator on the kinetics of polymerization of vinylchloride at high conversions and on the - of polyvinylchloride 6, 1360
Thermodynamic and rheological properties, the - of polymer melt mixtures 3, 607
Thermodynamic affinity, effect of the - of plasticizers for polyvinyl chloride of the heat of its interaction with fillers 7, 1557
Thermodynamic properties, computer modelling of the - of polymer solutions of varied concentration 12, 2873
Thermodynamics of *dl*-lactide, polylactide and polymerization of *dl*-lactide in the range of 0–430 K 7, 1702
Thermodynamics of the compatibility of blocks in block copolymers 10, 2331
Thermodynamics of the formation of scondary nuclei 12, 2888
Thermodynamics, study of the kinetics and - of thermal breakdown of reticular polymers of dimethacrylic esters of n-alkylene glycols 10, 2378
Thermofluctuation, use of the - concept of strength for evaluating the serviceability of foam polyurethanes 5, 1042
Thermomechanical properties, the - of polyimide compositions produced from polyamic acid mixtures 6, 1375
Thermo-optical method of determining temperature of physical transitions in crystallizing plasticizers 11, 2826
Thermo-oxidation, study of kinetics of inhibition of - of polyethylene by carbon black 6, 1462
Thermo-oxidaive degradation, a spectroscopic study of the - of copolymers of acrylonitrile with N-methylolacrylamide 7, 1597
Thermooxidative degradation, ESR analysis of the thermal and - of polyamidoimide films 2, 393
Thin-layer chromatography, determining the properties of mono-functional components in oligoesters by - 9, 2290
Thin layer chromatography, gradient adsorption - of statistical styrene–acrylonitrile copolymers 4, 909
Thiokol, effect of mineral salts on the structure of liquid - 5, 1243

Time dependence, the - of the strength of polymer glasses in a surface active media 7, 1628
Tin (IV) chloride, polymerization mechanism of styrene by the action of - in 1,2-dichloroethane 9, 2272
Titanium, study of the alternating copolymerization of isoprene and propylene using complex compounds of - and vanadium catalysts 10, 2457
Titanium tetrachloride, the solid-phase polymerization of cyclopentadiene in the presence of - 12, 2977
Titanium trichloride, the morphology of polypropylene granules and its link with the - texture 3, 599
2,4-Toluylene diisocyanate, co-cyclotrimerization of - and phenyl isocyanate 11, 2700
Toluylene diisocyanate, study of dielectric relaxation in polymer semi-interpenetrating networks based on - and propylene sulphide 10, 2369
Topological structure, effect of cyclization on the - and properties of polymeric networks based on diglycidyl ethers and aromatic amines 8, 1873
Torsion pendulum, study of the structure and molecular mobility of crystalline polyethylene by the methods of photo-elasticity and - 7, 1551
Torsion pendulum methods, the study of relaxational properties of molecular networks of polyoctafluoroamyl methacrylate by photoelasticity and - 9, 2128
Trans-**polypiperylene,** properties of - in solutions 5, 1237
φ-**Transition,** relaxational - in filled polymers and molecular mobility of active filler particles 9, 2099
Transverse straining, the - of orientated "silvery" polyethylene terephthalate films 5, 1056
Triacetylcellulose, nature of the breakdown of mechanically loaded - initiated by benzoyl peroxide 5, 1176
Trialkyl boron + tert-butylperoxytrimethyl silicon system, study of the initiating capacity of the - in presence of vinyl monomers by the ESR method 3, 493
Triethylene glycol dimethacrylate, the detection and study of the localized (selective) inhibition effect in the radical-initiated three-dimensional polymerization of - 1, 149
Trimethylsilanol, polymerization of hexamethylcyclotrisiloxane by α,ω-bis-(tetramethylammonium) oligodimethylsiloxane in the presence of - 8, 1998
1,3,5-Trimethyl-1,3,5-triphenyl cyclotrisiloxane, anionic non-equilibrium copolymerization of hexamethyl cyclotrisiloxane with *cis* and *trans*-isomers of - 1, 27
Tris-(2-carbamoylethyl)amine, study of the effect of - on the initiation of polymerization of acrylamide by persulphate 7, 1719
Turbidimetric precipitation titration, optimization of the - of poly-α-methyl styrene solutions 12, 3035

Ultra-thin polymer fibres, methods for determining physicomechanical properties of individual - 8, 2020
Ultraviolet light, the action of - on radiation-cured oligomer compositions 3, 556
Uniaxially oriented high-density polyethylene, special features of elastic deformation of - 11, 2760
Unsaturated end groups, molecular weight distribution and distribution of branching centres along macromolecules during radical polymerization of vinyl monomers with the formation of - 7, 1767
Unsaturated metals, the stabilization of polyvinyl chloride by epoxides in the presence of salts of coordinatively - 11, 2671
Urea-acrylates, structure of oligourethane - 12, 2882

Urea-formaldehyde oligomers, infrared investigation of the structure of - synthesized in the presence of amines **8,** 1974
Urethane rubbers, NMR analysis of the crystallization of oligoesters and - **5,** 1170

δ-Valerolactone polymerization, the calorimetric study in the 13·8–340°K range of δ-valerolactone, its polymer, and of the - **3,** 628
Vanadium catalyst, effect of oxygen on the activity of a supported - during gas phase polymerization of ethylene **10,** 2392
Vanadium, study of the alternating copolymerization of isoprene and propylene using complex compounds of titanium and - as catalysts **10,** 2457
Vapour-phase, study of the formation of polymer coatings by capsulation of solids by radiation-induced polymerization of monomers from the - **3,** 696
Vinyl acetate, effect of adjacent units during thermal degradation of copolymers of vinyl chloride with - **6,** 1299
Vinyl-n-butyl ether, radiation-induced low-temperature cationic graft polymerization of - to polyvinyl chloride in the glass transition **2,** 440
Vinyl chloride, effect of adjacent units during thermal degradation of copolymers of - with vinyl acetate **6,** 1299
Vinyl chloride, effect of polymer structure and the nature and concentration of the plasticizer on the formation of defects in plasticized polyvinylchloride and - copolymers **4,** 816
Vinylchloride, effect of the nature of the initiator on the kinetics of polymerization of - at high conversions and on the thermal stability of polyvinylchloride **6,** 1360
Vinyl chloride homo- and copolymers, analysis of the content and distribution of the double bonds for - with a different molecular mass distribution **5,** 1047
Vinyl monomers, copolymerization of 3,4-epoxyhexahydrobenzyl acrylate with - **4,** 867
Vinyl monomers, molecular weight distribution and distribution of branching centres alog macromolcules during radical polymerizatin of - with the formation of unsaturated end groups **7,** 1767
Vinyl monomers, polymerization of - on the surface of chalk activated by dicarboxyl-containing peroxide **8,** 1883
Vinyl monomers, relation between chemical shift values in ^{1}H and ^{13}C NMR spectra of - and some parameters of their reactivity in radical polymerization and copolymerization **9,** 2252
Vinyl monomers, study of the initiating capacity of the trialkyl boron + tert-butylperoxytrimethyl silicon system in the presence of - by the ESR method **3,** 493
10-Vinylphenanthiazine, polymerization of - in presence of organic π-acids **6,** 1274
Vinyl phosphonates, the radical copolymerization of α-substituted - **3,** 667
1-Vinyl-1,2,4-triazole, kinetics of radical polymerization of - **10,** 2529
Viscoelastic behaviour and relaxation processes in polymer composition–water systems **12,** 3009
Visco-elastic properties of linear polymers and their mixtures with narrow molecular weight distribution **5,** 1194
Viscoelastic properties of plastisols based on the copolymer of methyl methacrylate and methacrylic acid during their transition to plastigels **12,** 2947
Viscometer, combination of a gel-chromatograph with an automatic - . Calibration according to molecular weight of the polymer correcting for instrumental broadening **9,** 2295

Viscometric studies, sedimentational-diffusional and - on solutions of poly-*m*-phenylene isophthalamide and the equilibrium rigidity of its molecules **11,** 2689
Viscometry, application of mathematical simulation for the analysis of molecular weight heterogeneity of polymers by rapid sedimentation and - **6,** 1518
Viscosities, intrinsic - of diethylene glycol adipate solutions of various functionalities **5,** 1144
Viscosity, potential of the intermolecular interaction and initial - of polymer melts in model of overlapping statistical coils **10,** 2347
Viscosity, the influence of - and dispersion of incompatible polymers on fibre formation in their blends **7,** 1617
Viscous properties, the phase condition and - of sulphuric acid solutions of polymers and copolymers based on *p*-phenylene amides **5,** 1085
Volumetric rupture, model for - of non-oriented polymers **3,** 533
Vulcanizates, equilibrium swelling of filled - of natural rubber **2,** 455

Water, distribution of electrolytes and phase equilibria in a cellulose ether– - –electrolyte system **3,** 704
Water, equilibrium in the system polycaproamide–caprolactam– - below the melting point of the polymer **6,** 1319
Water, viscoelastic behaviour and relaxation processes in polymer composition– - systems **12,** 3009
Wave-guide method of studying structural layer heterogeneity in polymer films **2,** 481
Wetting, anisotropy of - and the molecular orientation capacity of elastomers under deformation **8,** 1944

X-ray electron-microscopic study, an - of a number of processes in polymers **4,** 855

Ziegler–Natta catalysts, structure of active polymerization centres of dienes on - **7,** 1542
Ziegler–Natta catalysts, study of the interaction of components of heterogeneneous - , using the Monte Carlo method **12,** 2985
Zinc salts, study of the mechanism of the synergistic action of mixtures of - of organic acids and polyols during thermal degradation of polyvinyl chloride **12,** 2849